

SEQUENCE LISTING

<110> Abuin, Alejandro
Zambrowicz, Brian
Sands, Arthur T.

<120> NOVEL MUTATED MAMMALIAN CELLS AND
ANIMALS

<130> LEX-0304-USA

<150> US 60/265,574

<151> 2001-01-31

<160> 248

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<210> 1

<211> 297

<212> DNA

<213> Mus musculus

<400> 1

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aaccacatgg tggcctcata accatccgta acgaaatctg atgccctctt ctggaatgtc 240
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<210> 2

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<212> DNA

<213> Mus musculus

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<222> (1)...(656)

<223> n = A,T,C or G

<400> 2

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<211> 651

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<213> Mus musculus

<220>
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<223> n = A,T,C or G

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<210> 4
<211> 647
<212> DNA
<213> Mus musculus

<400> 4
aatggaaact gaaaacccaa aaactatgga agaaagcact gagaagagaa aagaagaaaa 60
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<210> 5
<211> 647
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

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gagcgtgtgt cgggcctggc gggctccatc taccgcgagt tcgagcgctt cattcactgc 180
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gactcgggtg tgagcgagaa ccaggagcac gaggtggagc tggagctcct acgcgaggac 300
aacgagcagc tgctcacgca atacgagcgc gagaaggcgc tgcgcaaaca ggccgaggag 360

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tntccatcca	atngagacct	aaanacacagc	ctgtgcaaag	nccggnagac	ntgngccccc	540
attcctgctg	gnctctgacc	ttggctgncg	ccngctnnnt	ctnggattnt	attccttccc	600
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<210> 6
 <211> 645
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(645)
 <223> n = A,T,C or G

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ttccaggaca	ggagagctct ctgcagtggg cagggatgaa gtttgaggac gtcccaattg 180
cacacattaa	agcaacctac aacaacacac agatccaggt agtctctgcc accaatgcgt 240
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ccatgggggg	tctggaagtg atctcaatca cagacaacac cccgggtcca cacaatggct 480
gccgaccccc	gaaggctcga aggctgtgac ggggaaggag cctgcacttg gacctggcct 540
caggctctga	ctcctgtgga tcctacagaa ggcccaactgt ggaagccgct ggagccggct 600
gttctcgagc	cctncttggg gaaacactcc ttttctcgca ccgag 645

<210> 7
 <211> 636
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

<400> 7	
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gcataccggg	agcactcgag gaagaagagg agacttacga aaccttcgac ccccctctgc 180
acagtacggc	tatctacgca gaagacgagc tgtccaaaca ctgtgtgtcc tccagttccc 240
tggccaccca	cagaggggaag gcgagcagaa acttggaccc ttctgaagat gaagcaagtg 300
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cagcaacca	aagtcagctg gtgagcagtg ctcgcctccg ccctcgctcg ggagagaaga 600
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<210> 8
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 <212> DNA
 <213> Mus musculus

<220>
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 <222> (1)...(636)
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<210> 9
 <211> 635
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

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 catgtaggag ttgcttgccc caaagtgttc atcaagacca gcctggaaga ggcctcagtg 180
 aagatgacat tcgcagggca cgggaggccc ggctcaggaa ggcaccccg gcccagctga 240
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 aaaagggagc tnggcaagga ctggcaaaga caagg 635

<210> 10
 <211> 634
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

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 acgtnacaca gcacacagct cttgctgnaa cccatnttna cngtctgact gnnagctgtn 180
 attatacctn nacaaaaggg cncactcagn catgctnang aacannttan gcgtgaggna 240

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<210> 11
<211> 634
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

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aggacagctg ccactacctg ctgtattcac tcatcttcgt caactcctac cctgtcaca 360
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tcctggacgc aaaggggttca aatagtttac ctctgttgag atcattcttg gataaattaa 480
gtactaacca acaaaatatt ctgaaattca tcgcttgtaa tgaaanattc ttgatgcctg 540
ctacaggtnt tatgctcttt agnggccaaag gaagnttgct ncancctttt ttatattatn 600
ganttcttac tcttcnatat tcctctagaa aaaa 634

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<210> 12
<211> 633
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

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<400> 12
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ggccaaacgc agcatccttt ggacctcctt ttggacttga cctccttcca gaacttcac 180
cactaaatgc gcattcggga aacaaagctg acttccaaag gagtgataga atcaacatgg 240
aaacaaacac caaggcttta aaaggcgctg gcatgactgt gctgccagcc aaagcctctg 300
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ggtatggaat tccacagttt gatggttaa atatacactg gaatcatccg gtcctggaac 420
actgggaccc tcggatagcc aagaactatc cacaaggaca acatagtcct ccagacgaca 480
ttggctccag tttttatcct gagttaggaa gttacagctc tcgagaccct tctgtcatag 540
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<210> 13
<211> 633

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<212> DNA
<213> Mus musculus

<220>
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<223> n = A,T,C or G

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gccttgctgg tcaattatat caccgcctac atggttctct ttgacttcgg caacctgaga 180
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gctaacctgc tgacggggcc cangcggaac ctgatggcca tggcccgna ctggtggaat 540
canntcantg tgacancntn gaagctgctg caggccaacc gagctgtgtg tggttnnac 600
ctgtnttacc tggatggaga ggtggaactc gtc 633

<210> 14
<211> 632
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

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<210> 15
<211> 632
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

<400> 15
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gcccaggcac aggacgagcc acgcccggcg ctcaagagcg agttcctggg gcgcgaaaac 180
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taccgcaact ccatcaccgt gccctacaag gtgtggggca agttcggaca caccttctgc 540
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<210> 16
 <211> 632
 <212> DNA
 <213> Mus musculus

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tatgtgcaga agcacaatat ccaggccctg ctgaaggact ccatcgtgca gctgtgcact 120
acgcgggccc agaggcccat ggcattcctt cgggaatact ttgagagggt ggagaaggag 180
gaggcaagac agattcagtg tctacagaaa accggcatcc gtactgactc gagggaggac 240
gagatctctc ctccaccccc caatccagtg gtgaaggggc gacggcgccg aggtgctatc 300
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gattataaga caatggctgc tttagccaag gccatcgaaa agaattgtgt gttttcacac 420
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<210> 17
 <211> 629
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

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<400> 17
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ggcccggggg gctctcctgg catccagaat tcggatcatg actcctgtga gcagccacgg 120
cttggcggag agcattttttg acctggacta cgcttcgtgg aagattcggg cgactctagc 180
ggttgctggc tttgtcttct acctgggcgt ctttgtagtc tgccatcagc tctcatcgtc 240
cctgaatgcc acctaccgct ccctggcgcc caaagagaag gtcttcttga acctgncggc 300
agacgcgtgc tgtcttcggc gtccanagca caactgcagg cctgtggggc ctgctggggag 360
accccggtgc ctatgccgac aaagctctcg ggcagcanaa ctggtgttgg tttcacatca 420
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tccgcacctt tgacttgntt ctggnrtgtcc accacctctt tgctttctt gggttcctgg 540
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tgagcacgcc ctttaacctg catttccta                                     629
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<210> 18
 <211> 628
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

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 aggagtatgc tgaggatgac aacatctacc aacagaagat caaggacctc cacaaaaagt 180
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<210> 19
 <211> 628
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 19
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 ggctgccacg cagattgccc acctgagcct catcccagag ctggtgacca gtgaccacga 180
 gaaggnggag ctcacggccc tcaggatgac gttcactgtg gnggctaaca tcaccgtgta 240
 cggcgcanc cggctgctgc tgcacttgca gggctctgca cacggcgagc aggacatcag 300
 tgtgggtgac cagctaggag tccaggatgt gccctgtgtc cggaacctgg cctgcttgt 360
 gnggggtgtg ggagccatct tctctctgct cttccacttg ggtaccaagg agggccacag 420
 gtcccancac tggggggaac gaaccnctat agcacacccc cctgggtggc ccagccggn 480
 ccagccactg ntgtgttgg aaacactggc tttnngggagc cngenttttt ntaaggtagg 540
 gcatgctgta catgaccaca aggttcatt tgngaaacn gtctcagacn ctacatttgc 600
 nangcgctc gacctatttt ttttttagc 628

<210> 20
 <211> 627
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 20
 cttgggtggc cgtctcttgt ttttcctggg ttatgacttt cggctttgtg gaatacggct 60
 gagatgaaag gatttattga cgatgcgaac tactccgttg gcctgttggg tganggaacc 120
 aacctnncaa atgtnatgnc naactatgcc ttngaccgtg ccctgacagg aaaaaaatgc 180
 attttttgtg ggggatcttg ggaagatcgt gaagaagcac agtcagtggc agaccgtggg 240


```

ggctcagata aagccggtttt acacgggtgaa gtgcaactcc actccagccg tgcttgagat 300
cttggcagct cttggaactg ggtttgcttg ttccagcaaa aatgaaatgg ctttagtgca 360
agaattgggt gtatctccag aaaacatcat ttccacaagt ccttgtaagc aagtgtctca 420
gataaagtat gcagcaaaag ttggagtaaa tattatgaca tgtgacaatg agattgaatt 480
aaagaaaatt gcanaggaat cacccaaatt ccaagggtctt actacatatt gcaaacagaa 540
gataatattg naggtgaaga aggggaacatg aaagtttggc nctacnctga agaantgnag 600
ggcatcttta ctgcacctcc tgggaaa                                     627

```

```

<210> 21
<211> 621
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

```

```

<400> 21
tgagaccct gctattgctg atatctacnc agaacntgcc catcnagtgg tagtagccta 60
gtatgcaccc agcggattct acattgcttc tggagacatc tctgggaagc taaggatctg 120
ggataccaca cagaaggagc atctttctaaa gtatgagtac cagcctttcg ctgggaagat 180
caaggacatt gcctggacgg aagacagtaa gaggatcgcc gtggtcgggg aaggaaggga 240
gaagtttggg gctgtcttct tatgggacac tggctcttct gtgggtgaga tcacaggaca 300
caacaaagtc atcaacagtg tggacataaa gcagaccagg ccctaccgac tagcaacagg 360
gagtgatgat aactgtgctg cgttcttcga gggccctcca ttcaagttca agttcacaat 420
tgggtgaccac agccgctttg tcaactgtgt gcgattctct cctgatggga acagatttgc 480
cacagctagc gctgatggcc agattttcat ttatgatggg aagacgggag agaaggtgtg 540
tgcccttgga gaaagcaagg cccatgatgg aggaatttat gccattagtt ggagtcctga 600
tagcactcat ttgctatctg c                                     621

```

```

<210> 22
<211> 621
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

```

```

<400> 22
acctgaggag tgaagatagt ccagnnccta agagacagcg cctctctcat tcagtctttg 60
attatacatc agcatcacca gctccctcac caccaatgcg accatgggag atgacatcaa 120
ataggcagcc cccttcagtt cgaccaaatt aacatcaact ctcaggggaa cgctgtaaca 180
cacctgcacg caacagaaga agtcctcctg ttaggcgtca gcgaggaaga agggaaacgtc 240
tgtctcgaca taattccatt agtcaagatg aaaactatca ccatctccct tatgcacagc 300
agcaagcaat agaggaacct cgagccttcc accctccgaa tgtatctccc cgtctgttac 360
atccagctgc ccatcccccc cagcagaatg cagtcatggg tgacatacat gatcagggtac 420
anntacnnan tgnccctggaa ctncntgngg taaaagntaa cgggtgnctaa ngnggatcta 480
tcganntgng gggccttggtg cnnngntcctn naattcctga agtgancna gnttgngtgg 540
nncntnctt tnannaangg aaatttagcc agggtntgtg gcacataact tgaacattgt 600
ntcaatgaat gaatgagaga a                                     621

```

```

<210> 23
<211> 621

```

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 23
atgctcctgg ggccccctcct ctgncaangc cttgancctt catgtaagta ccatttttctg 60
atggatgagc acgtggtagg aacacccttg ctggtgaagt ctggtgtgga gtacacacng 120
cttgctgtgg agtcagctcg gggccttgat gggagcagcc atgtgggtcat gtatctgggt 180
acctccacgg ggtccctgca caaggctgtg gtgcctcagg acagcagtgc ttatctcgtg 240
gaggagattc agctgagccc tgactctgag cctgttcgaa acctgcagct ggcccccgcc 300
caggggtgcag tgtttgcagg cttctctgga ggcactctgga gagttcccag ggccaattgc 360
agtgtctacn agagctgtgt ggactgtgtg cttgccaggg accctcactg tgcctgggac 420
cctgaatcaa nactctgcag cttctgtctt ggctctacca agccttgga gcaggacatg 480
gaacgcggca acccgagtg ggtatgcacc cgtggcccca tggccaggag cccccggcgt 540
cagagcccc ctcaactaat taaagaagtc ctgacagtcc ccaactccat cctggagctg 600
ccctgcccc acctgtcagc g 621

<210> 24
<211> 618
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 24
acatacacct gtgggataca cgaacttcaa gactgngatg ctantgtttt tattgccctt 60
tatcaatcca ttttgggaga aaaggtacca gacctcatag ttcttcccag gaatcaagaa 120
gacgagggcc acaatgtcca agcggttaatt gattcactcg ctttggatta ccttcaggtc 180
agcctgtctc acataacagg agaaaacata gtgaaagggg ataatgaatc tatcaggaat 240
ctcctagaaa tatttgatgg attgctggat tatctgacag aacacatcag tgaatcgtct 300
cccaacaaaa gtgaaactga gcagtattct aaagattctc atggagaaga agctggggag 360
gacctagaac gtaccgagga ggcgaagtgg agaaacgctt cttttatgag gtgttccttc 420
tcatcggaca ctttggggccc cacctgggat gaagacgaag ctgagtcac aggtgaaata 480
attaggctgg gagacactgc acataccttt tcccaaagaa gtaatggtgc tcaaaattct 540
aaggacttac gggctanaaa agcctcggct tcaccaggcg ttgagccacc tgaggaaatg 600
ttgaaccctg gccattg 618

<210> 25
<211> 618
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 25
gcttgctgta acttggcttc cttacctgca ccccaagaa tgatgagatn ctatcagcng 60

<220>
 <221> misc_feature
 <222> (1)...(613)
 <223> n = A,T,C or G

<400> 28
 cgcagctgta tgcacaaaca ggcgggcatg agtnccagcc agncacgccc tggngcttgg 60
 catgttcgnn ncaggtaaan gaccccgagg tacaaggcca tcctggcccg ncngtatggg 120
 tctgagggca ggntcacctt cacctcccac acccctgggtg agcaccagat ctgtcttcac 180
 tcaaattcca ccaagttctc cctctttgnc ggaggggatgc tgaggggttca ccttgacatc 240
 caagtgggag aacatgcaaa cgactatgca gaaattgctg ccaaggacaa gctgagcgag 300
 ctgcagctga ggggtgcgaca gctggtggag caagtggagc agatccaaaa ggagcagaac 360
 taccagcggt ggcgagaaga gcgcttcaga caaaccagcg aaagcaccaa ccagcgagt 420
 ctatggtggt ncactcctgca gactctcatc ctctgtggcca ttggcgtctg gcagatgcng 480
 cacctcaaga gctttttttg aagccaanaa gttgggngta gcaacctgtc ccaagcctca 540
 caggcgatnt ttntttcagg ctgtgggaag taagaagang actgggtttt aaccgcgcaa 600
 tgttcttggg gga 613

<210> 29
 <211> 612
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 29
 aacttcaagt cataagttta gtagaccaag naggcacatt cgaggtgctg tggatgctgc 60
 tgtcccaact aacatcattg cggccaaggc tgcgtgaagt cgtgccaca aagtgaactg 120
 gcagtcttat cttcaggggc agatgatttc tgcgtgaagt tgtgaattta ttcaaagggt 180
 tgaaatgaaa agaagttccg aggacaagca agagatgctt caaactgaag gcagccagt 240
 tgctaaaaca ttataaaatc tgatgacgca catctccaaa gaacagacag tgcagtacat 300
 actaaccatg gttgacgata tgctgcagga aaatcaccag cgtgtcagca ttttctttga 360
 ctatgcgaaa cgaagcaaga gcaactgcctg gccatacttt ctgccaatgt tgaatcgcca 420
 ggatcccttt actgttcata tggcagcaag aattatcgcc aagttagctg cttgggggaa 480
 agaactgatg gaaggcagtg acttaaatca ctattttcaa ttggataaaa actcagctga 540
 gttcacagaa acttcntggc agcnggtggt tgctgttgaa acaggaacaa atctcttcaa 600
 gtgatagttt gc 612

<210> 30
 <211> 612
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 30
 actgttcgat atgatatcct gcccttatct cctttgtccc ggaatcgctt agcccagggtg 60
 aagaggaaga tcctgggtgt ggatctggac gaaaccctga ttcactctna ccacgatggg 120
 gtgctgaggc ctacagttag acctgggaca cctcccgact tcactctcaa ggtggtaata 180
 gacaaacacc cagtccggtt ttttgtacat aagaggcccc atgtggattt cttcttagaa 240

```

gtggttaagcn agtgggnatga gcttgtggng tncacagcat gcatggaant ntatggctct 300
gctgnnggcag ataaactgga caacagnaga agcattctta agaggagata ctacagacag 360
cactgcactt tggagttggg cagntacatc aaagacctct ccgtggtcca cagcgacctg 420
tccagcatcg tgatcctgga caactcccc ggggcttaca ggagccaccc agacaatgcc 480
atccccatca aatcctgggt cagtgaaccc agtgacacag cccttctcaa ccttctccca 540
atgctggatg ccctcaggtt cactgctgat gtccgatcgg ngctgagccg aaaccttcac 600
caacataggc tt
612

```

```

<210> 31
<211> 611
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

```

```

<400> 31
gagatgagggc tgccgtcccc aacaacaaga atcactgtan tgggcgttgg acaagnngnt 60
atggnatgtg ccatcancat tctgggaaa nctntggctg angaacttgc cctggctgga 120
tgtgttgga gacaagctca tnggagagat gatggacctg cagcacggga gcttgttcct 180
ccagactccg aaaattgtgg ccgataaaga ttactctgtg acagccaact ctaagattgt 240
ggtggtgacg gcaggagtcc gccagcagga gggggagagt cggctcaacc tgggtgcagag 300
aaatgtcaac gtgttcaagt tcatcattcc tcagatcgtc aagtacagcc ctgactgcac 360
catcatcggt gtttccaacc cagtggatat tctgacttac gtcacctgga aactgagcgg 420
gctacctaag caccgtgtga ttggaagcgg atgcaatctg gattctgtct gattccgcta 480
cctcatggca gagaagcttg gcattcatcc cagcanctgn cacggatgga tcttgggcga 540
gcatggagac tncagtgtgg gctgtgtgga accgggggtg atgtggcaag aantctccct 600
ccagaactga a
611

```

```

<210> 32
<211> 608
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

```

```

<400> 32
tgcttcgaat cctgctctct gccagcact tcccctgctc ggctgtctgg tttgctgctc 60
atcccaccag tacagccctg ttgtttggga cccagcaagt ccgggggaccg gccttttgga 120
ggaggccctg tgcaaggcct tcaacggcct ctggaacagg cacggagccc tggggagcta 180
ctgcgatggc tgagccagaa cccaccaaag gtgcgagctc atcaactacc tgtggcactc 240
cggcgtctgg gccagctctt ggtgtctcag cctaggccct ctctgtgga gcaggccaca 300
ctgcaggact tgagtcagct catcatccga aactgcccct cctttgacgt tcacaccatc 360
catgtgtgtc tccaccttgc agtggttactt ggcnnangann gaaatggaac gctcctgtgt 420
gccctcgagc aggagcgcag gncccgctct cctccaangc caccctcccc acatcggcct 480
gccatctatg gnggtcaaag gttgnaagtg gccctgagct gcccccggtt nctgcagnac 540
cctngtnagc atctgatcag aagcntggca gaggcaaggc cagaagaact gactcctcac 600
gtaatggg
608

```

```

<210> 33
<211> 606

```

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 33
ctctgcctta ccttcncaag ggcagaaaa accaggcnca acncttntgc tacanggttt 60
gtcgcacaac gactcntntg gccgtatttc agaaaacaca nggctccnna caaattgtgn 120
caaanggnaa tgtatgtang gaagaatgca tgggnatnngn ttnntntatt ancccancat 180
gcntnnggtgt nagacacttt ctgnaatgta gngtccatgg cnggaggtat tcacaacacc 240
gaccctatgg gnnenttccn tgctcctgan ggatgatgac aaactnngaa cagcgggtacc 300
gatgatattc ctgntnngga ccnanaattc ctgaaagttg accaaggga cactttnttg 360
aacttatnct ggctgcnaac tacttaaaca tcaaaggttt gcttgatgac acatgcagga 420
ctggggccaa tatnattaag ggggaaaact cctggaggag attcgnaaaa cctttcntgt 480
cnaaaatgga ntttactgga agaggngag gcccgaggtnc gcnaagagna accnangng 540
nggaanagaa gggaactgct tgggcctgtc ccctgtgaac antagaaggg gttgttccca 600
aatgc 606

<210> 34
<211> 598
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

<400> 34
actgaggtgt tacagtatct gaacagatgg ctgggaacga attctgggggt tcagcaatgc 60
cacattccag tcagagaagg agactgggga tcggaattac gccatcggct attacctcaa 120
ggagaagaag tgcttcccta aggggtgtgga catgatggct gcccttgatc tctatttcca 180
gctgngctct gnggaggtta cctgtgagtc aggcanngtc atggcggcca ctctggccaa 240
tggcggcatc tgccctatca caggggagag cngtctgagc gccnaggccg tgcgcaacac 300
cctcagcctc atgcattcct gtggcatgta tgacttctcg ggccagantg ccttccatgt 360
gggcctgcca gccaaagacc tgtgtcagga gccatcctcc tggttgtacc caangtcatg 420
gncatgatgt gtctgtcgcc gccgttagac aagctgggga acagncaaag gggcatcaac 480
ttctgccaga aggtgnaggn ctctctttaa cttccacann tatgacnacc tgcgggactg 540
cggctnngga anttagaccc nccgagggga agganaaana ggtttcggaa caagaccc 598

<210> 35
<211> 598
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

<400> 35
tgagccgtgg cgctaggatg ggtaacaagn gctctccgtg ctcatgtgga aacagcgag 60
gaanactggn gtctttcagc ttaaagaccg tggctgacc gagttcccct cagagttgca 120

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(596)

<223> n = A,T,C or G

<400> 38

```
tgaggatatg aggaagantg gagacgattc gatgtccagc acccaagcct ctaactcaga 60
ggaggatctc cctgaagatt acccctgtgt caaaaacatg cttcacaggc tgacagctga 120
cctgacgctc gaccctcgca cagcacaccg tgatctgctc atctcctctg actaccgcgg 180
cgtgagtctg gctccaccgc gaacgcctgc gccgctggac agccccgcgc gcttcgatca 240
gctccccggc gtgctgggtg cgcagggtct cgcgctcagg cgccactgct gggaggtgga 300
gaccgcggaa ggcgcgtcct tcagagactc tacagctcag gatgagaacg cgggagagag 360
ctgctacgcc gtgggctgct ccggggagtc cgtgacccgc aagggcctca tcaagctgtg 420
cccacgcggg gctatatggg ccgtggaggc ccgcggcgcc cgcttggtgg cgctcacggc 480
tccagagccc accctgctag gtggtgccag gccccgcgc cagcgcattn gcgtggactt 540
ggactgggag cgggggtcgt gtggccttct atgacggccg ctcatttgga cttgct 596
```

<210> 39

<211> 592

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(592)

<223> n = A,T,C or G

<400> 39

```
acctgagggg ggaaagataa cagaccngtn tgaaaccctg anacgtgggg gcgctatcga 60
agtgggttgg gaagataccc ccggacgtct tacaagacat ggccgtgatt gcacccatgc 120
tcgccaagct tggatatgac tccatacgcc aatcctccta actacggaaa acctgacccc 180
aaganccttg aaaacaccag gagggtctat aanggagaat ttcagctccc tgactttctg 240
aaagaaaaac cccagacgga gcaagtggag taactgagcc cgtaacttcc cacagggacg 300
actgctgcct tgtctacaga agggaaatct cgggaacggc tgtctgctgc gacaaggagt 360
gtctgtgccc atcgctcctg ttcacctgcc agcctcctgt ccccaggggg ggtgtcacac 420
acccgggcct ccccaagtga tggctcttga gccaggaac atgcatggcc ctnaggatga 480
ggagcccagc agggacacag ttctgtcaca gctcctcttg tccttgctct tccttcccag 540
gtncacgtct ttaatttcaa ggaaaggaga gtttgaagtt ggcattctgt ta 592
```

<210> 40

<211> 589

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 40

```
tagcatttga tgagctgaag accgactaca agaaccctat agaccagtgc aataccctga 60
accctcttgt ccttccagag tacctcatcc acgcgttctt ctgtgtcatg tttctctgtg 120
cggcagagtg gctgaccctg ggcctcaata tgcccccttt ggcataccat atttggaggt 180
atatgagtag accagtgatg agcggccctg gcctctatga cccgacgacc atcatgaatg 240
```



```

cagacattct agcctactgt cagaaggaag gatggtgcaa actcgtcttt taccttctag 300
cgttttttta ctacctatac ggcatgatct atgttctggt gagctcttan aacaacacag 360
aanaatcggg ccagttaagt gcatgcaaaa cgccaccaat gaagggattc tatccagcaa 420
ggtcctgttt ccaagagtag cctatggaat ctgatcagtt actttaaaaa atgacttctt 480
attttttaaa tgtttccaca ttttttgctt gtggaaagac tgtttccata tgttctactt 540
ggataaagaa tttaaatgga attacgtnta aattaatata aaatgatta 589

```

```

<210> 41
<211> 581
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(581)
<223> n = A,T,C or G

```

```

<400> 41
ctggacccag aaaagcttgg cgtatcttgt gaagtcacg atgctgcggt caattgtgcc 60
ttgggaatgn ggatacagtt tgcaagtctg tgatcaaaac cgggtgcgact gttgatgcag 120
ccacgtaggc tcccttaaca ggcggtcttg cctctgagat cagctccacg gtccaggaag 180
aatgtttctt gaacctagag gctccaatat ctcgagtttg cggatatgac acccgtttt 240
ctcacatctt tgagcccttt tatatcccag cacaatgga agtgctacna tgcccttcnn 300
aagatgatca actattgacg acagagaaaa ccaggaagat catgaccaga catggaaata 360
tttttctgaa acctttttat atttccttat actnctttct tcttacatat agagntatgc 420
nactnctgt catggatatt ggctgangag ctgcnaatta cttatcatgt tantataaat 480
ggattgagng cncaggaagg aatgctttaa ggagtgcgtg ggcggaaatc ttaagactgt 540
ttcangacta taantaccgg gnggggggtg gattcaataa a 581

```

```

<210> 42
<211> 580
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

```

```

<400> 42
ccatccggtg ctgggcccga acctctngtt nanagagacc cggcctggga gtgggcagcc 60
tgtccgcttc tctgtgctgc tgctgcatgg tatccgcttn tcctcggaaga cctggcagaa 120
cctgggtact ctgcaaaggc tggctgaggc tggctacagg gctgnggnca ttgatctgcc 180
aggncctggg cgatccaagg aagcancagc ccctgccccct attggggaac cggccctgn 240
cagcttccta gctgctgtgg nggatacctt ggagctggga cccccagttg tgatcagtec 300
atcattaant ggcattgtatt cactgccctt cctcgtggcc cccgggtccc aactccgggg 360
ctttgtacca gtggctccta tctgcacaga caaatcaat gctgtggact acgccagtgt 420
gaagactcca gctctcattg tatatggaga ccaggacccc atgggctcct ccagctttca 480
acacctgaag cagctgccca accacagagt gctggtcatg gaaggggcag ggcattccctg 540
ttacttggac aagcctgatg agtggcataa ggggctgctg 580

```

```

<210> 43
<211> 580
<212> DNA
<213> Mus musculus

```

<220>
 <221> misc_feature
 <222> (1)...(580)
 <223> n = A,T,C or G

<400> 43
 tgagggtgagt gcaggatccg catccggatg tgggtggtcct tgatccttct ttcttgccctg 60
 ctggcactga ccagtgccca tgacaagcct tccttccacc cgctgtcgga tgacctgatt 120
 aactatatca acaaacagaa tacaacatgg caggctggac gcaacttcta caatgttgac 180
 ataagctatc tgaagaagct gtgtggcact gtcctgggtg gacccaaact gccaggaagg 240
 gttgcgttcg gtgaggacat agatctacct gaaacctttg atgcacggga acaatgggtcc 300
 aactgcccga ccattggaca gattagagac cagggtctct gcggtctctg ttgggcattt 360
 ggggcagtg aagccatttc tgaccgaacc tgcattcaca ccaatggccg agtcaacgtg 420
 gaggtgtctg ctgaagacct gcttacttgc tgtggtatcc agngngggga cggctgtaat 480
 ggnggctatc cctctggagc atggagcttc tggacaaaaa aaagggctgg gttcaggggg 540
 agtctacaat tttnatgnn ggntggttac cataaaccaa 580

<210> 44
 <211> 579
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

<400> 44
 tgaggaactg gtgtccttac cgaagtcogg ctggtncctt tgtagctgct tgcaaaacag 60
 agaaattcct ggtccattca cagcagccat gtccacaggg agcccctgac tgccagggag 120
 tcagagtcac gtatcgagtg gcccagaagc cagtgtacca ggtccagcag aaggtgctga 180
 tctctgtgga ctggcgggtg tgcccagggc tccagggacc agactgccag gaccacaana 240
 tcccagctta ctnnttttnn gctcaanctc cntccaaant gntggnantn cggannatg 300
 gatactggtc catnctcagg cactttagaa gggccaagtn accctaaaat tgcctctaga 360
 attttggctg ggggagaact tgcatattgn ttactaaggg aacaataata tttaatagac 420
 tgatttattt attgtttacca cnaacantga acacttgag catcaagaga accacacctt 480
 aaattgagta cactatgttt ttaattcaaa tggatatact tggatttatg atgcaactct 540
 gaactgtaca agaaataaan tttagaacca tttaaatat 579

<210> 45
 <211> 577
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 45
 attttttgag attgcccaag ttttgaagta cttcctcaga agatgggtacc acccggagcc 60
 cgcaggagtc cttcagtcac cagtgtctac ctgtggaggc ccagcccag cgagagtcac 120
 agaatcttct ggaagaaaat gcccttcctg ctctccaggt ttcttncgtt cccctgaagg 180
 acagatcagg agctgacaga ttcactcctc tnagatggc tnccataagt tggtgaaaac 240
 tgaagatgtg gctgatgtac ctgtgtcctt catnctggag gaatgggtgca catttgnacc 300
 agaaccaga agtctactng anggggacag caggaaagga ggatgagtga gagnaccaca 360

```

tcctgtnggn natcactntn nannttttnan tggmntgnca cttggttctnt gaaaccaggg 420
gtggagtncg acnchnactgn nggtccaantg tttctgnctc ccgaangnng gaattnaggg 480
gagggngcnn tcnctcctgg cnagggacna nnttnaatna tgngtgggaa ncncctnct 540
ggnaaggan naatcntnnn ctgggagggc agcaaac 577

```

```

<210> 46
<211> 574
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(574)
<223> n = A,T,C or G

```

```

<400> 46
ccaactacta ccgcacctgg naacgtcgtg gtccatgact ggctgtacag ctatgtgtat 60
caagatggggc tgtggctctt aggcaggcgg gctcgcgggg tggccatgct gggagtgttc 120
ctgggtgtctg cggngggttca tgagtatatc ttctgtctcg tcttgggggtt cttctaccg 180
gtcatgctga tgctattcct tgttttcggg gggtgctga atttcacat gaacgacagg 240
cacacaggtc cagcctggaa catcctgatg tggaccttct tcttcatggg ccagggcac 300
caggtcagcc tatactgccg ggagtgggtat gctcgtcgac actgtcccct gcccacnaca 360
acattctggg ggatggngac acccgcctct tggcctgcc atccctanaa gtcaaggctt 420
catgctacac aaangaacag natcaaagct ntttttttgc cttgcaaaag ccaaaaacna 480
gggttcccnc actacctnat ttgggangca gggactttgc naaaaagaac ctttccaggg 540
ggccatgggg gactaaggac cccccctttt gggg 574

```

```

<210> 47
<211> 569
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(569)
<223> n = A,T,C or G

```

```

<400> 47
attctgttca ggggagcttt tagccccagc cccacagaag tttncattta aaaaattatc 60
tgtcaaacca ggaagtggga ggcccaggcc tttaatccca gcactaagg n aagcagtagg 120
cagaagggtt cgggaagtca cttttgtgtg actgtatggc ctcaagatgg cagtcacctt 180
cattggaaac agcacagcca tccaggagct gttcaagcgc atctctgagc agtttacggc 240
tatgttccgc cgggaaggctt tcctccactg gtacacgggt gagggcatgg acgagatgga 300
gttcaccgaa gctgagagca acatgaacga cctcgtctct gaggaccagc agtaccagga 360
tgccaccgcg gaagaggaag aggatttcgg agaggaggca gaagaggagg cctaaggcag 420
agagccctgc atcagctcag gctgcttaga tccctcagct ttctccaact gccctttgtc 480
ctccagnttc tttctgctgc ctntgtcttg tatttgtttt gntctgtttt cttattgggg 540
nnaaatggtg cctggcacat ggcaggcac 569

```

```

<210> 48
<211> 568
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature

```

<222> (1)...(568)
<223> n = A,T,C or G

<400> 48
tgaggcatgt ggcgacccca gggctaaacc ctccctacctt attgacaaaa acctgggaat 60
ctgctgtgaa attcatagtc agaaaatttc ctgctgtaga aacgcgcaac aacaatcaac 120
agctggcaca gctacagaaa gaaaaatcag agattctgaa aaatctggcg ttgtattact 180
ttacatttgt agatgttatg gaatttaagg accatgtctg tgacttgctg aatactattg 240
acgtttgcca agtcttcttt gatatnactg tgaactttga ttttaacaaag aactacttag 300
acttgactgt aacctataca acattaatga tactgctgtc ccggattgaa gaacggaagg 360
caatcattgg actatacnat tatgcacatg aaatgaccca tggagcaagg gaccnagaat 420
atccncgcct tggtcagang attgtggact atnaaaaccc tttaaaaaag anganggaag 480
aatttgaccc catagcnagt ctctttcaga tgcgctaatt tctcttcaga ngggggatcc 540
tagacggaac ctttcagcag acccgtgg 568

<210> 49
<211> 564
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(564)
<223> n = A,T,C or G

<400> 49
acctgaggcc tgactacccc gcgggtactt ncaggccagc ntaactttcg gntgccngca 60
ctggggctgt caggcgtttc cnggaaggat ccagganccc cttanctaata ccaggcagtg 120
acctgggana actcgggana ncccgtggca gccctcagca tccagctggg gaacctgatt 180
cctgntttcc ggntaggcct tcagatgtgt tttgctgaat atcactttca gaagatcccg 240
gctaaacttc ttctgtacat tgctgaggat gtcgtacacg actctctcca gtgggaccag 300
ggcttcagag ttgcctgaag ttccaggacc aacttgaaga tagagaagca aacaggattc 360
cccagtttct gtcttcacat gacccaactg cctctggctc tgggatttgg aggtcttcat 420
ggagctgagt ggcagccttc aatacttctc cgtatatgac cattaaaaaa attaccaaca 480
ccctatttgg tatatttgat ggaccttact ggagcaggaa aaatttgaat aaacttaaaag 540
tgagtatcca taggaaaaaa aaaa 564

<210> 50
<211> 564
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(564)
<223> n = A,T,C or G

<400> 50
aaccctttac ctttctgtga gaggttgaag aggaaagtga agctgtttaa gaaagtgaag 60
aaactgaacc gaaacgtcaa tgaaagaatt taggtgtcag gtgantgact gttctangat 120
tttccaagca nttactggcc taatacagca ctacatgaaa cttcatgaaa tgacccccga 180
ggaaaattgaa agcatgactg ctgctgtgga tgttggcaaa tttccatgtg atcagttgga 240
gtgtaagtgt tctttttacaa catacctgag ctatgttggt catcttgagg tagaccatgg 300
aattggaaca aggacaagta aggagaana agatggcata tacaagtgtg actgtgaggg 360
ctngnacagg atatatgcca ctcggtctaa tcttcttcga cacattcttt aataaacata 420
atgacgagca tanagcccat ctngattcgg ccaaagaaaa ttaactggcc agganaatat 480

atnaagtaan ggtaaaccac gcaaaantca aagtctaaac atcggacaac aaaaacccca 540
acagatccgg gaaagacggg aatg 564

<210> 51
<211> 563
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(563)
<223> n = A,T,C or G

<400> 51
gagacaagggt aagggttactc ggcaggcagt taaacccaac agtgtaactt acaggacca 60
atctggcanc atcttgctgc ataagncaac cattancagg gaggctaccc gggtacggag 120
ccgatggctg acatatttca tggccgtcaa gtccaatggg agcgtctttg ntcgagattc 180
ctnccagggtg caccactag ctgtgttgct cctaacagat ggggacgtgc acatncgana 240
tgatggcgt agggccacca tctcattgag tgacagngac ctgcttcggc tggaagggtga 300
ttcacgaact gtgcggttg taagggagtt tcgtcgagcc ctaggacgga tgggtggagcg 360
gagcctccgc agcgagttag ctgcacttcc tcttaatgng cagcaagaac acgggcagct 420
gcttgactg ctggcagagt tgcttcgagg accttggtggc agctttgata tgcgcaagac 480
agctgatgac tgagcctctc ttccgctggg gctatgtaca gagtgcaaat gtttatttaa 540
aataaagtta tatttatccc ttg 563

<210> 52
<211> 557
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

<400> 52
tgaggatcct gacaggctgt tactgatgta tcccggtgcta aggaccttta ccctctggct 60
ccactcttcc ctcaactgga tctatgtctc tggctcttat tccatcgttt ttgtcaactg 120
tccaatgag caaattgccg gagacatcgc caggggccatc ctggataaga agatggcttc 180
gtctgtgaac atcttgccga agacctcttc tctgtacttt tggaaaggag aaatagaaga 240
aggcattgag gtctcactgc taataaagac aaagacttcc aaggtctccc ggctgtttgc 300
ctatatgagg ttggcgcatc cttttgaaat cccagaggtc ttcagtattc ccatggacca 360
aggagatgct cgctttttac gatggcttga ggagggaatg aaggagaact aaggagagag 420
aaccttattg tgcaggcttc tgcctctagc ctttggtgac tgtgttctgg gaaaaagcag 480
gcctccttct gcctccatt gaatgttctt aacagcagac aggnctctagc tgacctgngc 540
atgctgaatg aagggt 557

<210> 53
<211> 554
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(554)
<223> n = A,T,C or G

```

<400> 53
agttctgctc caactcaacc gngctgctgt aaggcacagn angcagctgc ccctgggtggg 60
ggctctcctg gtctctctcc caacatggac cagtaacagg cggttacagc agtaccagg 120
cacaagtgga ggaggtggtg gacatcatgc gtgtgaatgt ggacaaggnc ttggagaggg 180
accagtaagt tncagagct ggatgaccgg gctgtcgcct tgctggccgg agcatcacia 240
tttgagagca gtgctgcaa gctaaaaagg aagtactggt ggaaaaactg caagatgatg 300
atcatgctgg gagctatctg tgccatcatc gtggtagtga ttgtaagaat gaanatatcc 360
tttggctaca gaaatgactg caaaaatggt cacccaagaa actggaattt cccaggaat 420
ctcatgctgg gagaaagaaa angccgaagc ctgtgccagc caggaggacc ctgtgtctcg 480
gtgntgttta cattttgnan accatgctgg tncctaaact ctgngntoca cctgnctttg 540
ccacctgaat gctt                                     554

```

```

<210> 54
<211> 550
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(550)
<223> n = A,T,C or G

```

```

<400> 54
cgtttatggc aatgttgcca ggtacttttg aaagtaagna nagaagcaag nacgggcaca 60
ctcaccagtg gnactgtgta cgtgaagccc tacagaaacg aggnngtntt cgctttttgcc 120
cgngaangag tgttttgacg gtgcnnnctg tnnnnctgac atnctacttg nagttgtgtc 180
nagnantttt cttctagaat gacgngggcc cgttgtngac tcncaccant acatcccatc 240
agatatcttt tcattgaccc ccanganann cctgtgactc tgnaccactt actgaagctc 300
ttccagctctg acaccaatgc catgctgggg aagaaaacag tggtttcaga gttctatgac 360
gaaatgatat ttcaagaccc aacggcaatg atgcagcagc tgcttacgac gtctcgccag 420
ctgacattgg gagcctataa gcacgaaaca gagtttgcag aacttgnngt gaaaaccagn 480
gaaagttaga agctgccaag aaganaacaa gctttngnat tgcggggagct taagggggag 540
attaaaagca                                     550

```

```

<210> 55
<211> 548
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

```

```

<400> 55
acagcgagca gcaactaaggc tttcgtggga ggcacaaaac aagnattact gtgccatttc 60
ttgagcaatg tccaatcagg aggtttatac aaggagagaa tgactgagct gtacgactac 120
cccaagtaca gctgccactt caagaaagga aagcgggtact tttattttta caatacaggt 180
ttgcagaacc aacgcgtggt atatgtgcaa gactccttag agggggaggc cagagtgttc 240
ctggacccca acacactgtc ggatgatggt acagtggcac tccgaggtta tgccttcagt 300
gaagatggcg aatactttgc ctatgggtctg agcgccagcg gcttccgact ggggtgacga 360
tcaanttcac gaaaggctga tggngccaaa gagctncccg gatgtgctgg agannagnna 420
agttcacctg cntgggcctg gnnnctgac gggaagggga tgttttttan nttttacccc 480
cannaggacg ggaanangga ngggnccaaa anctccccca ntntccccca aaaggttttg 540
tttccacg                                     548

```

<210> 56
 <211> 548
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(548)
 <223> n = A,T,C or G

<400> 56
 ccgccgcctc cgacggctgg cngtggttnng aagaataaga ctgcacagc gtccacccct 60
 gtcaacacgc cctccagacc tccttcaggt gaattcttgg acctgagttc agctagtgg 120
 gatgactttg acagtggagg cagcgaacag gagctgaagg ggtacgcctg ccgtcactgc 180
 ttcaccacca cctccaaaga ctggcaccac gggggccggg aaaacatcct actgtgcacg 240
 gactgtcgca tccacttcaa gaagtacggt gagctgccac ccatcgagaa gcccgaggac 300
 cccccgcctt tcatgttcaa gcctgtcaag gaggaggacg atgggctcag tgggaagcat 360
 agcatgagga cgcgggcgag ccggggctng atgtctacac tacgcagtgg tcggaagaag 420
 cagcccacca gtctgatgg tcgtgcctca cccatcaatg aagacatccg atccagtggc 480
 cggaactccc ccagtgtctg tagcacttgc agcaatgaca gtnatancan agacagtgaa 540
 gaagtcag 548

<210> 57
 <211> 545
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(545)
 <223> n = A,T,C or G

<400> 57
 acctgagggc cctctttctc tgctgtcctg tcgtaggacc ataacggagg actttcgggt 60
 gccatttcag gatccgggat aggaaattag caaaagccgg ccnnncagga tgtncntaag 120
 agngtgaaga ttcaggaagg ancnttcngg gaccnacaat agctnttnc cagtgaacag 180
 cttttctggc caagaggett cagcacattt tagggattct tgttaccaag agactcctga 240
 accttgaaa gctctgagcc attgtgggaa ctctgcagac ccacacacag caaggagcag 300
 atcctggagc tgctggtgct ggggcagttc ctgaccatcc tatcttagga gttgcaggcc 360
 tggctctagc agcagcacc agacatcagg aaggaggcgg tggctagtct tgaagacctt 420
 tgcaagcca naaaggaggt gagatgagga ttggggttct agacacttaa tactgaacga 480
 agagcagagt ttgctttggc tttgggttac aagccctgcg gttcccttgt tttttgtgta 540
 aacaa 545

<210> 58
 <211> 544
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(544)
 <223> n = A,T,C or G

<400> 58
 tgtgacgact tgttcacann taccaggctg caagcanctt gctggagcnc ntactgcna 60

```

ctgccntggt acagcactca natgcttctg nacgaactac ggcancatga nnaccccagg 120
aantttgatg ntctggaata gcntggtnca ggncttgta gncagtgtaa ggcacacttc 180
ttgctctctg cggtagntct gagntgggan gancctgcct atagcctggn tctggccagc 240
ctggcactac nctnctngnt ncagccccac ctaaccangg ttgggtnttg ggacgggttg 300
agcngggccc tggagggcct cccganagac agcccaggtn agaaggaggc tacttanacc 360
tacgaagcct aattccccct ccttggnctt tcttcattnt gagctgagng ggctgcccct 420
gcctggctcc tgaggggtcc ctancaaagg tgggggcnaa aaggantcat tatcttttga 480
ntatctgcat ttaaaactgc tccaggggct ggagagggct tgatgctttt ccagaggacc 540
caag
544

```

```

<210> 59
<211> 541
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(541)
<223> n = A,T,C or G

```

```

<400> 59
tgagtgtaaa tgagcaagat ggacctggaa ggtgggggag acgggcagaa agccccgagc 60
ttccagtggc ggaactacaa gtcctagtgt gatcctgctt tggaccctgc tttgctgcagg 120
ccttcccaga aggtgtaccg ctatgacgga gtccacttca gtgtcagtga ctcaaagtat 180
acccccgtgg aagacctcca ggacccccgc tgtcatgtca ggtccaaagc cagagacttt 240
tccctcccgg ttcctaagtt taagctggat tgtacatant gttaatagng aaaccnaaca 300
ccacattttt atanttggga ttaaaacttta ttgtacggaa accttantna agganangnn 360
ccaaaaaata tgganaggng naagaagngg agatccttct tcatccccgc actcgaaagc 420
acctaggcct ggcccgtgtg ctcttnacca gcactcgggg cgccaaggaa actgtnaaaa 480
acctccacct nacctntgtc atgggcaaca tcattcatgc ccagcttgat atcaaaggcc 540
a
541

```

```

<210> 60
<211> 531
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(531)
<223> n = A,T,C or G

```

```

<400> 60
aggttgtcat aatacagnac ttggnaaact ctgcaagcac ttagcagtca gcatttcgag 60
cagcggaagc gagggcatgc tgtgagtttc caatgagctg tcacaatgtc agaatgcagt 120
tcagacagca gcagcacagc gctcgcagac attaaaacgt aagctgtgct agaacaaaat 180
gcaatgaaag aaacactgga tgattgaaa gccctgcttt gcagcccctc agcatggcag 240
gcctgcagct catgaccctt gcttctctac caatgggtcc tttcttttga ctgccatggc 300
aacaagaagc aattcatgat aacatttata cgccaagaaa ataccagggt gagctgctgg 360
aagcagctct ggaccataac acaattgtgt gcttgaacac tggctcaggg aagacgttca 420
tcgcggtcct gctcaccaaa gagctggccc atcagatcag gggcgacctc aaccgcatg 480
caaaaaggac cgtgttcctc gnaaactctg naaaccagggt tgctcaacaa g
531

```

```

<210> 61
<211> 530
<212> DNA

```


<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(530)

<223> n = A,T,C or G

<400> 61

```
gtacctgcgg ttctctgnnt tctgcagttc ggcactggna aaccattcac cgtaatgtct 60
taggaaaaca gttggagcaa ctgcagcccc taacaggaag cccttggaag gctgcacctt 120
ggctcatcgt tgcctagtgc gtcacaggag cccttggett caagcgctc ccatgtgaag 180
tgtgtgtgct acggtcttgg gacctttgcc tcctgcccc ctgctcggat ccagcttgct 240
tttatgcttc tctttctaga gaagtgccag gtccccagaa gtcactgctg ggtctatgac 300
cctctgttca gtcagactga ggtttccggt ctcacctccc tcggcgtgac tgcctcagt 360
gagaatgagg aaggcangcg cnntgcncnn ngncagnnna ctgtgttata catgncncnn 420
tgtgggacan ctgtnataca caacctgctg tggagnaact ggtctgcnga cncctgngn 480
agggngctca tcntagggaa cagttnacga ggccttgagg aaaggttgtt 530
```

<210> 62

<211> 526

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(526)

<223> n = A,T,C or G

<400> 62

```
cactgacaaa ctggccttcg atgttggcct tcaagaggat accacagggg aggcttgctg 60
gtggaccata catcctgcct ctaagcagag atcagaagga gaaaaagtgc gtgttggaga 120
tgatctcatc ttggtcagcg tgcctcaga aaggtacttg cacttgcat atggcaacag 180
cagctggcat gtggatgctg ccttcagca gacctcttg agcgtggccc ctatcagctc 240
aggaagtgaa gcagcccaag gctatctcat tggcggatg gttctccggc tgctgcatgg 300
gcacatggat gaatgtctca ctgtcccttc aggagagcat ggtgaagaac agcggagaac 360
agttcattat gaaggtggng ccgtatcagt tcatgcccgc tccctctgga gactanagac 420
cctaagagtc gcgtggagtg gaagccacat aagatggggc cagccattcc gactccggca 480
tgtcacgacn tggaaaatac ttangcctca tggaagacaa gaacaa 526
```

<210> 63

<211> 515

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(515)

<223> n = A,T,C or G

<400> 63

```
gtgacttatt actatnncag cagaacctgc ctccccagca gattgccagc acctatgaca 60
tcaccccctt cttcgtctca ttctgtggtc tcctaaatgc tcctctcgtt ggcctggggt 120
cagttggtgg tatggagggg tgctgcttag cactgacctg agagtgtgtg tgaaaccac 180
tgacccaatg gacatcaaag gccagttctg gaatgatgat gattcagaag gagataatga 240
atcagaggaa tttctgtatg gagttcaggg gagctgtgca gctgacctgt atagacaccc 300
acagcttgat gcagacattg aagcagtgaag agagatctac agtgagaact ccgtgtccat 360
```

cagagaatat ggaactatcg atgacgtgga ccttgacctc cacatcaaca tcagcttcct 420
 cgatgaggaa gtatctacag cttggaaggt ccttcgaaca gaacctattg tggtgaggct 480
 acggttttct ctctctcagt accttgatgg accag 515

<210> 64
 <211> 515
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(515)
 <223> n = A,T,C or G

<400> 64
 gattcggggc ttgctccttg ttggnaatgt angaacttgg angtacacgt cctctgggtc 60
 ttccggtccc tggaagnaaa ttagtgctgg gcnggtctac ntaagtgcc ntcagcaact 120
 ttgttaccac cactctctga actggaccag gacttctgcg ggggcccgca gaggagagac 180
 ttgacatcaa gtacaaccgg cctctgggag aatgcgtggc agagggcaaa gtgtgtgatc 240
 cactgtgctc ctctggggga tgctggggcc caggccctgg ncagngcttg tcttgctcaa 300
 actacagccg ngaaggtgtc tgtgtgactc actgcaacgt tctgcanggg gaaccccgan 360
 agtttggtca tgaggctcat tgcttctcct gccatccaga atgccagccc atggagggca 420
 ccagcacgtg caatggctcn ggctnccagc cttgtgctcg atgcgcccat ttttcgggga 480
 nggggcccac tgtnggaac agttgcccc atggg 515

<210> 65
 <211> 512
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(512)
 <223> n = A,T,C or G

<400> 65
 acattcagga cctggngaaa atccacnctn attaaacgag actcagtnctn tnnncaacct 60
 ggtantgagg gatcnnnngn cncctttcatt tcnaaangnt gngcacggaa acaaatacta 120
 atgaacgcat ctctntgcgc cggggtngtg gaaaantgan gaaggggagg tatnaaggnn 180
 aaaatntaac ttggggggaca cgcctggctt tggggactnt gtggantggt caaactgctg 240
 gctgcctgng gttcgcttta ttgaggagca ntttgagcaa tacctcaggg atgagagggg 300
 cttgaacagg aagaacatcc agggattcca ggagtccatt gntgcctcta cttcatataa 360
 ccctttggcc gagggctccg gcccctagat gnggctttnc tccggggcag tgcncgagaa 420
 agtnantatn atnccgggca ttggnaaanc aaaacgcctt tgatgcctag gggagactna 480
 ggcccttcaa gcagaaaaac cggggaccag tt 512

<210> 66
 <211> 507
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(507)
 <223> n = A,T,C or G

```

<400> 66
aggacccatg ggcactcag tgntncagat gcnaggtcaa gagacccttt cagaaanatg 60
acttcttatt tataaactgc acttattgca accacagggg acccgactnt tttctggtat 120
gtccaatatt ctggagaagg tccacagctc cttctgcaag tcacaactgc caacaacaag 180
ggaagcagca gaggttttga agctacatat gataaaggaa ccacttcctt ccacttgcag 240
aaaacctcag tgcaagagat agattcggct gtgtactact gtgctatgag agacacagtg 300
gcagaaactg cagggggcagc tgagcataaa gtctgagaag caaaagaaag cctgactttt 360
gataattttc cttttgaatc atcctgtttg catgcagtct gtgttgtgta ccaacatttc 420
tctagttgat gaaagtcaaa caaatggtca gagcagaata caaaatagat gatactacaa 480
ctgtattttt gtacaggaaa ttagacg 507

```

```

<210> 67
<211> 498
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

```

```

<400> 67
accacactt tctcaangaa tgggtggcngt ctggcatgca cctgctgac nnnnccacan 60
ccatctggaa gagctctgtc caccttcttt ctgnaccaac ggggntnant gctatgnnga 120
ggcctnaggc cgccacagn gctcctgcga nctgggtgg acaggntgag caatgccagc 180
tcnganactt ctgnttancc naccctnng ccaacggagg cgtgtgcctg ggcacatacc 240
cacanacca gtgcnggtgt ccacctgggt tcnaggggtca cacctgtgaa cgcnacatna 300
acgagtgtt tctggagccg ggaccctgcc ctcaaggcac ctcctgccat aacaccttgg 360
gttntacca gtgtctctgc cctgtggggc aggaaggnc cagtgccang ctcaaggang 420
gagcctgcc tcntggaagc tgtctcaatg ggggcacctg ccantggnn ccagagggac 480
actccacctt tcatctct 498

```

```

<210> 68
<211> 493
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(493)
<223> n = A,T,C or G

```

```

<400> 68
catgcccagt tgctgtantc ccnnatagtg attgagcaaa atggggggact ccttcaccat 60
ccagacgtgc agcagcctca gggaactacc ttgtaaaatt caaagttgga gaagagtttg 120
aggaggataa caaaggcctg gataacagaa aatgcacgag cctggttacc tgggagaatg 180
acaaactcac ttgcgtacag agaggagaga agaaaaacag aggctggagc cactggatcg 240
aaggggacca gctccacctg gaaatgttct gcgaaggcca ggtgtgcaag caaaccttcc 300
agagagcctg atacatctcc agcaacagag cccgcttgag gcaactactc aatgccaagt 360
tatctcgtag aaggaacggg tgtttgtctg ttttgggtg atgaagggtc ttgtcattgg 420
aaagatgtca cacagcctgt atganaaact gtttgatttc aggacagttt cagctccaat 480
aaacctgctc aag 493

```

```

<210> 69
<211> 491
<212> DNA

```

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(491)

<223> n = A,T,C or G

<400> 69

```
catgcctggc cagggntctt gttccccccc aaggaaactg gtgaaggagg agganaatct 60
tcagggtaccc ttcacagtgc tgcaggggtga gggagtggaa ttcctgggccc gggcaaccga 120
tgccctcatt gccatctcta actaccggct gcacatcaag ttcaaagact ctgtcatcaa 180
cgtgcccctc cggatgattg acagtgtgga aagccgtgat atgtttcagt tgcacattgc 240
ctgcaaggac tccaaagtgg tgagggtgagc acagcgggtc tcgttcattgg nctctgaccc 300
tcgccttggtg canacagaca gacctctctg ttgcacgcta cccttggagt aagaggatcg 360
actccacttt ctgttcccca ctggaggaaa aggggacaac tcacttcccc gttcttagtc 420
agaaggtcaa ttggctaacc cattctgtct tgacttgaaa taaaatgggg atggagccgt 480
aaaaaaaaa a 491
```

<210> 70

<211> 491

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(491)

<223> n = A,T,C or G

<400> 70

```
ggcaataagg ccctgcnctg ctgggaaaca ttgatgatgc cttacagtgc tactctgngg 60
caattaaact agatccccag aaccatgtgc tctacagcaa tcgtcttgca gcctacgcca 120
aggaaaggag actaccagga aggcctatga ggacggctgc aagactgttg acctgaagcc 180
tgactggggc aagggttatt caagaaaagc agcagccctt gaattcctaa accggtttga 240
ggaagccaaa cgaacctatg aagaaggttt aaaacatgaa gccataatc tccagcttaa 300
ggagggttg cagaacatgg aggccagggt ggacagagag aaattcatga atccattcaa 360
cttgccaat ctataccaaa agttggaaaa cgacccagc acaaggctgc tgctcagtga 420
ccccacctac agggagctca tagaacagct gcagaacaag ccgtcagacc tgggcacgaa 480
actacaggat c 491
```

<210> 71

<211> 475

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(475)

<223> n = A,T,C or G

<400> 71

```
tctggggaaa gcaaggactc aggtccccc acccacaggt cagcttctag gaaaaatgct 60
agggccgaga gcctggagca caccgagaag ccggaacctg cggncgtcgc ctctgtctcc 120
ggaaagggga agaaaggcaa ggnaaaangt gcnacggtec ctgtctgcct cagcctncag 180
aagngggagc ccnnaaanat cagggtggnc cacatthtca acangtcaca cacagcctga 240
ggcctgnnct aataccacat tccccgaata ccccatcct nccaaggcca ttgctacctg 300
ctctncaagc cctcccca aggccattgc tacctgtct ccaagccct cccataaggc 360
```

cattgctacc tgctctccaa gctcctccca agtgntgga cttaccctcc tgtcagaaga 420
cagtgagtga tagcaagcat cagactgctc accaagtgtt tttaaata caagc 475

<210> 72
<211> 475
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 72
aatacggatg gacccacnc ataactgcat gcctgatgga catantnaat gccaaaggncc 60
atgcactcat taactggtag cctttncagc cntccttcta acatcagggn tagtaatatg 120
atttcactat aattcagtna cnntattaac cctnggncta ctgaccaata tcttcacaat 180
atatnaatgn ngacgagacn taattcgtga nggaacctac caaggccacc acactnctat 240
tgtacaaaaa ggactacgat atgggataat tcnattcatc gnctcggaag tatttttntt 300
tgcaggattn ttctgagcgt tctattattn tagcctngna ccaacacatg atactangag 360
gctgengacc tncaacnnga atttnaccac ttaaccctct anaagnccca ctacttanta 420
cttnagtact nctagnatca cngtggtttg aatttctntg agctcatcat ttggc 475

<210> 73
<211> 472
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 73
catattcgag cacctgctgg ccctggtggn gtntcncgta ctgnnggcac tgcnagtgga 60
tggcttgact ccggtgcctc tcctggtggn aacgtctttg tgcccttttt ngccgncnac 120
gggctcagta cctacttcac caccatcggt nncgttcgac tcttncaaga tggggagaag 180
cgactggctg tgctggcct cttctgggtt ctcaccgtcc ttagcctcaa gtttgtcttt 240
gagatgttgc tgtgccagaa gctagtggag cagactcgag agctctggtt cggcctgatc 300
acgtctccgg tcttnattct cctgcagctg ctcatgatcc ggacttgctg cgtcaactag 360
cctcttgagc tggctggaaa tggagcactg cgcagctgga gttctggacc tcccggtcct 420
gacccaactt ggtgccacac ttggtgganc tttgatcaa aaattagagg gt 472

<210> 74
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 74
aagctttctc actatttgac aaggacggg gnatgggtac aataacaaca aaggnagctg 60
gggacagtga tgaggtcctt ggggcagaac cccacagaag cagaactgca ggacatgatc 120

```

aatgaagtag atgcgggatgg taatggcaca attgatttcc ctgaatttct gacaatgatg 180
gcaagaaaaa tgaaagacac agacagtgaag gaagagatta gagaagcatt ccgtgtgttt 240
gataaggatg gcaatggcta tattagtga gcanagcttc gccatgtgat gacaaacctt 300
ggcgagaagt taacagatga agaggtcgtat gagatgatca gggaagcaga cattgacggg 360
gacgggtcagg taaactacga agagtgtgta caaatgatga cagcgaagtg aagacattgn 420
acagaatgng ttaaatttct tgtacaaaan ngtttatttg ccttttcttt g 471

```

<210> 75

<211> 468

<212> DNA

<213> Mus musculus

<400> 75

```

catgccgtgg ctcagtcaac atgcccttca tggacttcct gacgaaagat ggcttcgaga 60
agagcccaga ggagctgcgt gccatattcc aggacaagaa ggtggacctc tcacagcccc 120
tcattgccac gtgccgcaag ggggtcactg cctgtcacgt tgccttggtt gcctaccttt 180
gtggcaaacc cgatgtggct gtttacgatg gctcctggtc agagtgggtc cgcagggcac 240
ccccagagac ccgtgtgtcc caggggaaga gtgggaaggc ctgagtgtgt gcagcctcct 300
cctctgccc accaatccag ccagtccct tcagggaggt tgggtgtgacc tgctgtaggt 360
tcacctttta ggctacggat attgacaggg ttttagaatt gctcttggtg cctccctccc 420
tccctccctc tacattggaa taaagtgcct tttctcagaa aaaaaaaa 468

```

<210> 76

<211> 467

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(467)

<223> n = A,T,C or G

<400> 76

```

agctccatct gggggccggc ntctgtgtgg gcctcagccc tcctgtctgt gtggctgctt 60
ctcctaactc ctggggatca gggacncaca gggacaccac cgccacggga aaaggggctt 120
cncatgctga actcagggtc aantaccctg ncngctgcc ctggcngagc tagnggncct 180
gnctgtcttc tttaccctgc aancacggct aagctccctg cgagacattc ctcgatnan 240
gnggactaag gttcagactg catnaggcca ggcacaggat ttgccaatct tgggtggccaa 300
agacaacgtg gtgcgtgtgg ccaagggctg gcagggacgg gtgtcattgc ctgcttatcc 360
ccggcacaga gccaatgcta cccttctgct gggggcactt cgagcaagcg actctgggct 420
gnatcgctgc caagnngnaa aggttatcga agatgagcag gacctgg 467

```

<210> 77

<211> 462

<212> DNA

<213> Mus musculus

<400> 77

```

agcacctcca accatctgtg gctcctgtct gatatcctag gccagggggc cactgcaaatt 60
gtcttccgag gaaggcataa gaaaactggg gatctctatg ctgtcaaagt atttaataac 120
ataagcttcc ttgcccaggt ggatgttcaa atgagagaat ttgaagtgtt aaaaaaactc 180
aatcacaaaa acattgtcaa gttatttgcct attgaagagg agacaacaac aagacataaa 240
gtgcttatta tggagttttg tccctgtggg agtttatata ctgttctaga ggagccgtcc 300
aatgcgtatg gacttccaga atcagaattt ctcatgtctt tacgagatgt ggggtatgtt 360
atgtgatttt atatatgtgt ttgcttatat ggggttcacac gtacgtgtat tatttaaaga 420
tacagaatga aaaaataatt tcctacattc aaacaaaaaa aa 462

```

<210> 78
 <211> 453
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(453)
 <223> n = A,T,C or G

<400> 78
 cagtttatga tgcttcacac aatctagtga gnaaaactgc agnnenttgn ctttctcaaa 60
 atgactggta agntagnatg ncagcaacag tatnattttt ttcaaaancc agaactttat 120
 atacgggaga gtgtnaaagg ancgtgtgga caggaaagaa gttngcagca actgtacact 180
 anctacnagg accctcagga tgaaaanana ntnggaatag atggnatata gcagttctgt 240
 gatgatctgg ccctcgatcc agccagcatc agtgtgatgn tcattgcntg gaagntcagg 300
 gcggccacac tgtgcgagtt ctccaaacag gagttcatgg ntggcatgac agagtttagga 360
 tgtggctgcc tagaaactct aagggcceng nnaccanna tggancanga ntngnnagaa 420
 ccaggacgat gtaaggattt ttaccagttt act 453

<210> 79
 <211> 446
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(446)
 <223> n = A,T,C or G

<400> 79
 aactcaagac ttgttattcc aacttcctt tggttcacac accagaacgt tccctccagga 60
 agtgggccaga gctgtgccag gtaggtancca tccagagttt cctggaaagg ctgtgttggc 120
 tgagagcact gctgtactct cttggttagtg acagttgact ttccaacccc attgggggtca 180
 tacaactcag tttccgcacc atctcanggg nggtggcatg gagtcacagt gcctgggctg 240
 ccagctagct acacgtttgc tttncctttt tgagaangag ggtttcgctc cctattnctg 300
 anncttnnnc tcagcttcct cccgagggct tggcctncaa cttggggacc aacctggccg 360
 ncnttggggtt ttngnttcgg gtacaaaaac ctgaatgtta actggggctt gggactttga 420
 ganttcgggg gcttcctcca agttaa 446

<210> 80
 <211> 443
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(443)
 <223> n = A,T,C or G

<400> 80
 caattttgaa ggatcatggn ctttacaggg aaatctgacg tttggatggg atgggccgctc 60
 ctggaggcta ctacagggttc tcangttgct gtgtctgnaa gccnagcgct ncacatcctg 120
 gaaaaagggtg ctccctggcg aagtcacenc cgatacaaac gagaagacaa gcttgggctg 180
 ggcccagaaa atatgctctg acgtcatcga ggagacacac gctgtgctgc gcaaggtttc 240
 tgacatgaag gaaggacag tgctactgag aagccagctc tccttggtgg aagccttgag 300

```

gatggaagag ctnangattc tccaggcttc tgctgaaatc ctgagtggct tgctagcccc 360
ctttttcctg acctcccggg gtcaccngg ttccctocta tggaggatgt accngccggc 420
tgcgtnntta ctgaggttgg aaa 443

```

```

<210> 81
<211> 440
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

```

```

<400> 81
tcctgtgtgt gcctttgctn ttccgggggt tttatgagct tgtactgncg ntttttnattn 60
acaggggtgng naactgcncn ttcgagtgan gantnancn cactncntgt nttaccngt 120
ataatgatta gaatgccttn cctacaaaat ttncaaaact naacaccaa ctggttctnt 180
ggnatatnaa aaagaacggn atcgaggaaa cagntgctaa gtgcaggang ctgggtgccc 240
aggccentcc ntttgtggng gactgcance agcggaaga gatttacagc gctgcaaaaa 300
aggtaangga agaagttgna natgttagca ttntggtaaa tatcgccggn gttgtctaca 360
ctgcanactt atttgctncc caggaccctc anattgaaaa gactttanan ntantngct 420
tgcccacttt tggaccacct 440

```

```

<210> 82
<211> 433
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

```

```

<400> 82
ctgtcagcgc ttcagtggaa caaaaccatc ttcgcathtt ggggctgcta ggaacttggt 60
tcagaaggct caattggggg atagccgact gagcccagaa tgtggggcat ctggtattga 120
ccaccctctg cccggccctc catgcttttg tggctgatgg gctgaagcca ttccggaagg 180
acctcatcac tggacagcgg aggagcagcc cttggagtgt ggtggaggca tctgtgaaac 240
caggttnctg cacacattcg atgggatctc tgtacagcca ggtcanccga ctggccctc 300
tgagtagcag ccgcagccgc ttccacgcct tcctcctggg cctcctcaac accaaacagn 360
tggaactgtg gttttccagc ctncaggang atgcaggcct actgtccctc ttgtatctgc 420
ccaccggatt ctt 433

```

```

<210> 83
<211> 430
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

```

```

<400> 83
gttaatactc ctgatagagc cntaccggaa ctccctnatg atcacntnnt cgntcccttt 60

```



```

ggtccatntc tccgcgctgg aaaacaaaga ggtagaagca tttggcncat ggctcccaac 120
acagacagac acacagagac acatagcnat naaaactcac catggcagaa acagtgaaat 180
ctcgggcatg catcttcttg gtgagccagn ccaccttntc tctggngttg ataaagatga 240
ctgcctgggt gatggtcagc gtctcataca agtcacacaa atggggtnaa gcttccactc 300
ctggaagatt cagaaagtca ggggttacac ttcaacaaac tttactacca gggctgcctc 360
ctggactggg ggcctcaacn ncttggtecn cattgatgna naattggggg atnctccag 420
gggcaatttt 430

```

```

<210> 84
<211> 423
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

```

```

<400> 84
tgacactaag tttatccngt gatgcgggct nnnggtgatt taattnttaa ctgttntnct 60
agctatatag tgaaaaagac tnanatcttg ntntgnagaa ccnggantaa ntaanattct 120
gnctgtggat aatcccgctt gctttcttcg tgtcactttc ggctggggag aatgtcctgc 180
cctccaccat gcagccaggc gatgaagtgg tctccaatta cttcaccaaa ggcaagcgag 240
gcaagcgctt aggcctcctg gttgtcttct ccttcatcaa agaggccatc ctaccagcnc 300
ggcagaagat atactgacct tttggggagg gcatgtgggg ggcaagacca agagagccag 360
ggccctggga ctctgggcta atcgtgcctg ggagcctggg aaggagnctt ctgccagccc 420
agg 423

```

```

<210> 85
<211> 423
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

```

```

<400> 85
cccccaaca tgaaccagat anaaccatgt ccctttgacc agcctcacc ccagggtctg 60
ctgcagtgcc agtcccaggc aacatgctgt gtccagccct gaacccatgc tttgctcaga 120
tgtgactatg gtagtaggac agctgcctaa ctccagcctg gggagggttc cccaaggca 180
cctgggtcag ngaagacatg taccctcccc tgatgcctac ccactgaaca ggacctcacc 240
aagctttttc tgggagaacc aaggggaggc aggaggggtn cttaagaaaag ccagcccctt 300
cctngaacca ttttccttat ggggaaatca gggnatctan ntgtccnctt ggaccnaagg 360
gaccaanccc nanctngggg gatcccanct gggaaaaancc ccaaaaaaaaa aggccttttt 420
ttg 423

```

```

<210> 86
<211> 422
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(422)

```

<223> n = A,T,C or G

<400> 86

```
atggcggtcca tggactggcc tggcaccoca cactgngcac aagtcaccca ttctatgatg 60
tggccagaca cngnatnctg cagggtggcag anggcctttg gagnggccat actgtgactc 120
antaacttca anatgagggg ttggtngcct tcnctatgg nccncagggtg gnaatggaac 180
ccagtggnc caggcaagagg acccagtttg gaaaanacgn tgttttctgc tgttgcgccc 240
anaatccctg cagacagggg angngactgt gtgttgggtt agagcacana tctntnnact 300
aagcanaggc ctggccacag tnnctannga gagggagatg aatggatgct gnatctacaa 360
gcagattgtt ctggnatcct aaacactatn cgggctctgg agtccgaag agggaaaaaa 420
aa 422
```

<210> 87

<211> 421

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(421)

<223> n = A,T,C or G

<400> 87

```
tcctcttctt acgtgcccga acgaagcaac aggcagctct ccaatgnaat accctgcatc 60
ctccctcctt tagtcgctcc aactctcaag cctcagtaga cagcagcgca tccatggtag 120
gagttcctgc gggaaattga gagtatcaaa gagagcagcg tggggcgctc gcaggagcag 180
ccaccactg ctgctgctgc tgctgctgaa gtcaagccag tggatgaagg agagcttgaa 240
gcgagagtggc tacaagatgt gggattgtca actctgatct ctggcaacga agaggaagac 300
ggtaaagcgc tcctgtctac attgactcgg acccaagctg ctgcagtga aaagagatac 360
aacacatata ctgactctc gaggaaaaaa aataaacaac ccgtcaggga tgctagagac 420
a 421
```

<210> 88

<211> 420

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(420)

<223> n = A,T,C or G

<400> 88

```
accagtggtc ctgcgcctgc tgnanttagg nattctgcct ggtgggtggg atcctgacat 60
caaggnatgg gacaccccg caggagggttc ctggggcctg gcccccaaca atatgaagag 120
cctttgctga ggccatgagg gggtaccatg gcgaccgagg cagccatccc cgcccagccc 180
gctttgctga ccaacagcat atggacgtgg gccagctgc caggggccccg tacctgctgg 240
gctccaggga ggccttctcc accgagcccc gcttntgtgc tccgagagct ggcctgggac 300
acctttctcc agaaggaccc ctgagcctga gtgagggtcc atcatcagta ggccctgagg 360
gaggcccagg ggggggtggg gctggggggag gcagnannac ctncccagg atgtacccc 420
```

<210> 89

<211> 414

<212> DNA

<213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(414)
 <223> n = A,T,C or G

 <400> 89
 gtccagtgcc agctgnngcg gngccgctac cccacaagc ctgactgagt gctttgcagg 60
 ccaggnatgg gaagcaaggc cacactcggg aggcacaggt ccccgagcat ncttctctta 120
 cagaatcaac tccaccaccc atcctggggc agacctgaag gagaacttnt gncgnaatcc 180
 anacagcanc accacgggac cctggngcta caccanagan cctactgtgn gcanagagga 240
 atgcagtgtc nctgtctgtg ntgagctggg gccaggaagc aggtnatggc catggccana 300
 ggggnacntn agaaggctng tnantattga gtggncatca naatgctggc nncctttnan 360
 aacaanagga aggagnttca aactgaaggn gcanttaggc caaggacatt tgcg 414

<210> 90
 <211> 411
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(411)
 <223> n = A,T,C or G

 <400> 90
 gtgcgagaag gaagccngtg gctgccctcc ctccncatgt gtccttgcca tgatcaggtg 60
 nctatcagat gacgtcanaa ccaagttgcy ttccggttta gccataagct ccttggggcca 120
 gtgtgttgaa gaacttacct ttaacagtat tgatgctgaa gcaacatgtg tggccatcag 180
 agtgaatatg gaaaccttcc aagttcaagt gatagacaat ggacttggga tggcggggga 240
 cgatgtagag aaggtgggaa accggtatct tactagtaaa tgccactcag tgcgggactt 300
 ggagaacca gcatcttatg gcttccgagg agaggccttg gcaagtatag ccgacatggc 360
 tgggtgctgtg gagatttcat ccaagaaaaa cacaacactg aaaaaaaaaa a 411

<210> 91
 <211> 410
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(410)
 <223> n = A,T,C or G

 <400> 91
 gctctatgcc cagggtacta tgtggctggg ctgctccagc ctggcggaca gcatgccttc 60
 gctgcgatgc ctgtataacc cagggactgg cgcactcaca gctttccaga gngggnnagc 120
 tgtcgatann ggntccattn tgaagcactc cagnaggact tncangatgg actctangct 180
 cntgctggtc ttccttagag gtgagcgagg acntgcttca tgctttcagn agangctgta 240
 gaagaagcga ntggnncttt gtagnaggan ngtgaaagag canaacttgn tgcccaaagn 300
 ttatgggatn anggtngat gcttgagagt gtcttgnana gangtggtgt gctatctacg 360
 ntanggtatt ngaaantntg cgtgttagcg ttaataacct tacatggaat 410

<210> 92
 <211> 399
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

<400> 92
 aggcaacatg gtaaggnanc tgcaaaccag ttgcagccac tgagtgagac tcaagtagtt 60
 aactcagnag ggcggctgtg tatggcaggt caccgacatg aaccggctgc gccgcttctt 120
 gtgttttggc tctgaagggtg gcacgtacta tatcaaagaa cagaagctgg gccttgagaa 180
 tgctgaagcc ttaattagac tgattgaaga cggcagagga tgtgaagtga tccaggaaat 240
 caagtccttt agtcaggaag gcaggactgc caaacaagag ccactgctgt ttgcactggc 300
 cgtttgttcc cagtgtgcgg acataaacac aaagcaagca nccttttaaag nnnaanntga 360
 agngtgtggc attncgaccc cctcttgact tttatccag 399

<210> 93
 <211> 398
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(398)
 <223> n = A,T,C or G

<400> 93
 gcaacgctgt tgcgggtggtg cttaaaggag ntcaaagacc ctttgatgca ggagccccc 60
 ggtgtggttc aagnccttcc tgctctgnga gcttgtgttc cagctgcctt tctttcccat 120
 tgcggcatat gccttcttca aaggaagctg ccggtggatc cgaatccctg caatcatcta 180
 tgcagctcac accataacga ctttaattcc aatcctctac acactcctgt ttgaggattt 240
 ctctaaagcc gttgctttca agggacaaag acccgagagt ttccgtgaac gactgaccct 300
 cgtaggtgtc tacgccccct atttaataat cccctcata ctctcctgt tcatgcttcg 360
 gaaccgtac tacaagtatg aggagaaaag aaagaaaa 398

<210> 94
 <211> 390
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(390)
 <223> n = A,T,C or G

<400> 94
 agaaaaagct tccgaagcaa caagtggcaa ggacccccgc caccttgccg cctgcgtggn 60
 caccgcgcac agctgcaagt ccaccgcac ccgcctgctg cgaccctgc gcctcctgcc 120
 agtgccgttt ctctggcagc gcctgcacct gtcnagtact caaccccaac tgctgacgca 180
 gcttcttcgc tgcgcgcgca gcttcgggaa cgggtgattg ggccggggctt cagggtcccg 240
 cgcttttagg ctgagggggcg ggtctntgtg ggtggggctt gtgggtgggc gtggtcagt 300
 gttgtgactt gtgggcgctt tnaaaaaacc ggttttctag gaaacctagt ggaagctaaa 360
 atcagaatac aataatattt ttaggctgac 390

<210> 95
 <211> 379
 <212> DNA
 <213> Mus musculus

```

<220>
<221> misc_feature
<222> (1)...(379)
<223> n = A,T,C or G

<400> 95
tgagatggaa tccgtgaaaa ggggtgtggac cgaggctggg ggagggggcag gagaagctgc 60
accagatgtg gctcagctgg aaccagaaga cccacagga tgctgaaaag gaccagcta 120
agccagagca ggtggaggcc cgggcactca gcatgttcag ggacatcacc cagcagctgc 180
agagcatgtg tgtggccctg ggggccagca tccagggtt gccagccac gtcaggaggc 240
aggcacagca ggccccgcag ccagggtgaac gacctttagg gccacctttt tccggcattt 300
cacttctttt ccagggtgacct tnttnagcgg gnggtttttt ggcccaaac ttcggggaag 360
ccgccattaa acccagaaa 379

<210> 96
<211> 378
<212> DNA
<213> Mus musculus

<400> 96
ataagctggg ggaagaaggc tgcgtacacc tcccaggatg ttgattcaga ctgcgcacca 60
ggaaaggggg aaacgtccct acccccgagg cacttgactt gcacctccag gcggcgctca 120
ctgccagtaa agtccaagta tcaactctat ggaaatcctg ggatttgaac aagatctgct 180
acaaatcagg ggttccccct attgaaaatg ggatgatcga gcggatgatt gagaagctgt 240
ttccctctgt tcccctccct acctcctacc atataaatta tttatatgaa gatgtttatt 300
tttgatatata gatgctatca ctgctcaaag ttctattttt aaagagtga atatatctta 360
tacaactca aaaaaaaaa 378

<210> 97
<211> 378
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 97
agtaacagtg ctacacacaa ccaactgcac gncaangatg ctgcaccggc tggcccatgg 60
cctggggatg gaagccctgc tnttccagct gacctgttc tgctctttca atacggctgn 120
ttagtgacct agctgntgcg gnctacaaag agntagcgc tttngccaaa nacatcnttg 180
gcaagntctt tgctttggct gcctntgaac cagcacngcg tantgnggag ctgctattct 240
ggaagaacac cgcagtgggt cgggaaatga ccaggggata tggntccctg gacagtgggt 300
cttnacagcca cagagntnct atgtngagcc ctgaggaaaa ggcccanctt taggaactat 360
acctggccca caaggatg 378

<210> 98
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

```

```
<400> 98
acctgaggggt aggtacannc gacgatggag acactgctgt ncgtcattgt ggagaaggta 60
tcattacatg gaacggtttc ttccatcagg tagaggagat tcnaagcagc actagccagg 120
attgcatcaa natntanctc aggnngangan naacacactc ntttcatnnt gnntncncca 180
cactcntatn gaagcctgna annccagcaa ggatcacaca ttcaaggna gcgtgggcta 240
cagagaanat tcacgggnca gcctgagcaa ctgatgagac cctgtctaag aactgaaaac 300
tatagagaga gctgggggta cagctcagtg gtgaagtgnt caccagtat gantaagggc 360
cagcactagg gga 373
```

```
<210> 99
<211> 371
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G
```

```
<400> 99
tgaggactgc cccgtttttc ttgnaaaagc cgcgcctgnc tgggtctgtg nggactncaa 60
taccancca ngcattgcag acagacacnn ggaggaacta cggatgccga ggaggcgtg 120
ctgggccttt cggagtagcc ggtaccgggc acttcaggca gatccgggac atcatgcagg 180
cgttgcttgt caggcccttg gggaaggagc atacggtnnt tttggttgct gcgggttatg 240
cagtgtctgt cgcgcattga anaaggagaa aatttagact gttcctttga tatggnggct 300
gagctcacac ccttggaatc agctatcaat gtgctggaga tgattaaaac agagttcaca 360
ctgacaaaaa a 371
```

```
<210> 100
<211> 358
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G
```

```
<400> 100
gtcttgggaa acagattctg gagtctattg aaagcataca ttctgtggga nnccttcaca 60
gagacatcaa accgtcaaac ttcgccatgg gacgtttccc cagtacgtgt aggaaatgtt 120
tcattgctga ttttggttg gctcgacaat ttactaattc ctgtggtgac gtcagaccac 180
ctcgtgctgt gncaggcttt cgaggagacg ttcgttatgc atcaatcaat gctcatcgga 240
ncagggnatg ggtngganct ngggacnttg naactgcgtg ctentgactn gcntnagagc 300
natatcttca tantncaggg anaggcataa tggngcgntt aggagctgag ggaccctt 358
```

```
<210> 101
<211> 348
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G
```



```
gcctgatgat gacgnnccca ccccttcagaa ggagattctc atgctgaaaa cttgncggca 120
cgccaacatc gtggcttacc atggcagnta cctctggctg canaagctgt ggatctgcat 180
ggaattctgt ggagctggtt ctctccagga catctaccan gtgantggtt nctctgtcca 240
cagctccaca tcanctatna tgtgccggga agtgcttcag ggactggcct acctgnnttc 300
ngagaagaag atacctcgag acatcatagg gagccaac 338
```

<210> 105

<211> 334

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(334)

<223> n = A,T,C or G

<400> 105

```
catgaatatt gcattaaccc ataaggacta ngggatataa tcncacngca caggaggggg 60
tgcacngaam antcnganng cagnaacnna cncaatntg ggnganttn cngtggtaat 120
ntacgccccaa ncgactacnt gtctctaaat ntttncctng cgnttccgag accctgacct 180
ccggnagatg tttgggcagt ttggcaaaat cctagatgng gaaataatct ttaatgagcg 240
cggctccaag gggnttgggg gttcggttaac ttttnagaat agtgctgatg canacagggc 300
caggagagaaa ttgcccgggc accgtggtag aggg 334
```

<210> 106

<211> 332

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(332)

<223> n = A,T,C or G

<400> 106

```
ctattatatg gtgcttgcan cacatctcct ggctattcga nggaagcant atntggnnag 60
acacttaact caagacaggt cccgcgngtc tncctncanc tccggaggac ccggcgaccg 120
aaagaagagg acacnatgtg caggcnctgg agaccacact cggaagaanc ccaccggnt 180
ggncattgnt gttgaaggag ggtttgacct caccgaggac angtttgaat ttgacgagga 240
tgtgangatt gtcattnaaa cncantatct gccnancnct agngctccca aggnctgagc 300
tttctaanaat tagtacacat gggtcagct gt 332
```

<210> 107

<211> 324

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(324)

<223> n = A,T,C or G

<400> 107

```
ataccgtttc cccaaagcca gnanccttac ctgtanctac cgctggnaga agnaggcggt 60
gcttacagnc ggggagcatg aaggctcgact acgnataccc atcccganag gngcctcccc 120
cacggtgnat cacggtccan aagccatgna ncgnataccc taccancggg ggtaccggga 180
```



```

aacaccgtga cagtgatacn tatcggtgtg aagagcggag cccangnnnt ggagaggact 240
gctatgggtc ttnacgttnt cgacatcgga aacgggcacn gagagagggc gccttaccgn 300
accgcgaagc atgcccacca ctgt 324

```

```

<210> 108
<211> 322
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(322)
<223> n = A,T,C or G

```

```

<400> 108
tttctgagat tgacgcgctt ttngaaaagn ctgtcccgtg gtcggnaagg nacctggtn 60
ccgtgacctt cccagcttta cagggcagna gccttcanta cctgaggaca ggaggtctct 120
ggagaangag aacacaccct catgaaccaa gcctncagta tgagaaagag ctaaagctgc 180
ttncacatga gaaccgaaa aacaccctcc ttttgggggg gcattttttt ttntntttcg 240
ccctgntttt tggcttactg gactttggga naaaaccccc tttccanccn cttaaaanna 300
ngggggaagg gctttctttt tg 322

```

```

<210> 109
<211> 321
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(321)
<223> n = A,T,C or G

```

```

<400> 109
ttacctttag ggatttgaat ggggaaggnc ttgaaaganc nacatgagca agaaagcgtg 60
tganaggag atgcagcgaa tcaccttgcc cctgtctgcc ttcacaaacc ccacctgtga 120
gaccgtggat gaaaacacca tcattgtgca cagcaaccag actcctgctg acgtgcagga 180
gggcagcacc ctctcaccgg gccaggtgg caccctggg gcctgagccc cttcagtggg 240
caggtgccca tgtaaacact ggtacaggac aggccaccct cctgcagttg ggaggagcta 300
cattttgtgt tgtggttaaa a 321

```

```

<210> 110
<211> 312
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(312)
<223> n = A,T,C or G

```

```

<400> 110
ctgaggactt acctcttcna attcctgggtg attggcagtg ctggaactgg caaattatgt 60
cttctcccca gtttattgag aataagttca aacaggactc caaccacact atcggcgtgg 120
agtttggatc caggggtggc aacggtgggg ggaagactgt gaaactacag atttggna 180
ctgctggcca ggagcggttt cngtcggnga cgcggannta ttaccgaggg gcanntggag 240
ccctgctggg gtatgacatc accagccggg aaganatata accttacttc gctgnttggg 300

```

ctaacttgat tg

312

<210> 111

<211> 295

<212> DNA

<213> Mus musculus

<400> 111

```
acacccctcc tccgctcgtg cccccggcgg cccgcgagtg gaacctgccc cccaatgcgc 60
ccgcatgcat ggaacgtcaa ttggaggctg cacggtaccg gtctgatggg tcccttctgc 120
tcgggggtctc cagcctgagt ggctcgtgct gggtaggttc tctgtgggtt ttcaaggatc 180
ctagtgcggc ccccaacgaa ggtttctgct ctgctggcgt ccagaccgag gctggagtag 240
ctgacctcac ttgggtgggg gacaaaggta tcctagtggc ttctgattca ggtga 295
```

<210> 112

<211> 287

<212> DNA

<213> Mus musculus

<400> 112

```
cggttccact tggcagtcag tcgaatccat tcaaggtcgc ttagtccaac ttaatgaagc 60
ctgtgtcctt cgtgtactgc cgggaagcact ggcggcacac gttcagccgg tatttgcgga 120
tcaaaccgtg acggttgagg cagacacggc aagagcggga accctggccg aacttccgtg 180
ggtgactcca gtagagctgc tggtcaccca tcttgccctc agacacccaa cgaggagaaa 240
ggtctaatta atttttaaat aaataccatt ttatatgaaa aaaaaaa 287
```

<210> 113

<211> 272

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(272)

<223> n = A,T,C or G

<400> 113

```
gctggctacc atgaaacaac natcccgnt gtgccgaagg ctctgtagt tcanatccca 60
gcanccacat ggtgactnnc aacgtaccgc naatgagatg ggacgccttc ttctggngtg 120
tctggagcga gcangnactg agtgancaca gtngaccgga ataantnnag gtcctaaaat 180
tcaattccca acaaccacat gaaggctcac aaccatctgt acagctacag ngtagtcaca 240
tacaataaat aaataaatct taataaaaaa aa 272
```

<210> 114

<211> 268

<212> DNA

<213> Mus musculus

<400> 114

```
ccctgcgcgg gggaccagga ccgctgacac cacacccctg caatgagttg ggggcctctg 60
catgccccag aacgcctggg cctgcccgcc ggggtagcgg caggcgacag ccaagacctg 120
actcccttat cttttaccgc caggcgagga ctgtggaaac gggtaaagt ggcacgtggc 180
ctctctagat tctaaatgtg agcagcgatg gacttggggg gagagatgaa cgaactactg 240
aataaagcta aaatgttatt taattaa 268
```

<210> 115

<211> 260
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 115
aggacctttc cggcacctgg nggctctttc agcctgaacc taccaccgnc tcaagtatct 60
tctactagta cagcgaaagn agtaggcaca atccccagtc ncccccttcag gaatccagcg 120
ccaccttgaa gcggtggtgga aagaagtgtg ctgtacccca ctccagcccc aatctagcgg 180
aggtaaagaa gaaaggcaaa atgaagaagc tgagccaacc agctgaagag gacctagtgt 240
tggggcttga aaaaaaaaaa 260

<210> 116
<211> 252
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(252)
<223> n = A,T,C or G

<400> 116
tctcaccttc acggagctac agtggttcctt acgatgccac gccttcctgc gcaggaacag 60
cggctgctga cccaagctgt gtgcttgccc atggcgaggg tgggagcagc agctcggggc 120
ctccggtcca cttcccatgt cacagcctcc tctgcctcca gcccattcaa ctagagctgg 180
ntagcatgaa gggagacagc ggttcccaac tggagtacag aggtaagggc caataaagag 240
gacaggaggg gg 252

<210> 117
<211> 250
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(250)
<223> n = A,T,C or G

<400> 117
agcatcaatg gttcaagcca ggaagtagca tctgagaaag acttggtgtcc tccccctcctt 60
caaaggctta tgggtgaacg gacataagac tgctgcatcg ggactcacca aaaagtaggc 120
nnccacntac ctctgaaact gtgcgatctc ctggctaata tcatccagct ctttaacacc 180
agtgaactct cctgatgcca gagtacttga actgtcctag aattaaaact tgaaatgtca 240
aaaaaaaaaa 250

<210> 118
<211> 234
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

<400> 118
agagcaccga cagcctaatag tnagtgcctgg cagtgaggct caggaggtga nccctcntcc 60
tgctgggaac agaagcnnag aggtgccngt taaagantaa nccnngnttt gaactttctg 120
gggcacttct tgaggacacc antaccttcc ggggtgnggt tattaaatac agngagcccc 180
cagaagccna ggatccccan taaancngng gcgcctntac ccctttaaaa atga 234

<210> 119
<211> 225
<212> DNA
<213> Mus musculus

<400> 119
acctgaggtt ttaaaatgga acatttcgat ggcgtaactc agtacctatt atgtgtgtgt 60
cttctcccta ggtaccgcgc tgcaggtgtc ttacatatac tcaatacaaa aattataaca 120
tttgatagtg tgctgtcaaa gtgtgcttag ctcactgtga tatacccaca ctgttaaata 180
atgtctaaac attaatcatt aaaacctttt tgattaaaaa aaaaa 225

<210> 120
<211> 222
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(222)
<223> n = A,T,C or G

<400> 120
tgagcctgtg aactcctggc cttgataagt ccctgacgcc gatnccctgg tcctgggtga 60
ggacggggacc atagtggatg acgatgacta cttcctctgc cttccttcca atacaaagtt 120
tgtggcgctt gcctgcaatg agaagtggac ttataatgat tccgatggan gnaengcttn 180
ggtttcccaa gagnccctnn aggcagatga gccagacagc cc 222

<210> 121
<211> 222
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(222)
<223> n = A,T,C or G

<400> 121
acctggaggg atggagtttt cttggaacgt tcgtaaaagg aaaaggttct aggaggatgg 60
cagcaagtat gcttcggcga aggcaaagna gtctgaagtt ttttatgagc ttgctcatca 120
gttgccactt ccccaaatn cacagcaaac tgaagatcaa caacttgaag atgttccatt 180
atataatgat gtaatgnttc cctcttctaa tgaaaaatta aa 222

<210> 122
<211> 212
<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(212)

<223> n = A,T,C or G

<400> 122

```
aacaggcgtc acatcattga taacagggta cattgttgct tctacttcat ttcacctttt 60
ggacatggac tgaagccctt agatgttgca tttatgaaag cgatacacia taaggtgaat 120
attgtgcctg tcattgcgaa agctgacact ctactcttga aggagcgtga gcgncttaag 180
aaaaggattt tggatgaaat tgaagagcat ag                                     212
```

<210> 123

<211> 210

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(210)

<223> n = A,T,C or G

<400> 123

```
aaaatccgga gtcttcaatg tatcanagct tgtgagagta tccatgaaca cccataaccc 60
agggttaactg gagtcaactt cccaancgga agaaattccc agccaacnt actatgatga 120
catgaactnt ggtgtgaacc tgcagaggct gttgtcttct ccaccgtgca gcaaaagacc 180
caaanctatn tctatggatg aaaatggggg                                     210
```

<210> 124

<211> 208

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(208)

<223> n = A,T,C or G

<400> 124

```
acttctccag ctcctctggag ctacactgc tggctcgaaa ctatatgaat gcgggctcca 60
ggaatgctgg tgctttcggc ttcaatatca gcttcctttg tangcttcga gacaccaagt 120
ctgcagatca gaagangact ctgttgcat tcttggctga gttatgtgag aatgaccacc 180
ccgaagnnct caggtttcct gatgagct                                     208
```

<210> 125

<211> 208

<212> DNA

<213> Mus musculus

<400> 125

```
taaatattaaa aatggcctcc ataaaactac attgcaaaaa atgggaaaga aacaaaatgg 60
aaagagtaaaa aaagttagaagg aggcagagcc tgaagaattt gtggtagaaa aagtactgga 120
ccgtcgtgta gtgaatggga aggtggagta tttcctgaag tggaaggggt tcacagagta 180
agaaacctca gtgcttcaaa aaaaaaaa                                     208
```

<210> 126
<211> 204
<212> DNA
<213> Mus musculus

<400> 126
tgaggatgca tttctgagcc ccggttgtgg ttcccgatgg ccctcgcagc agcgagtccg 60
tggaaggaag ccctttccgt ctttcccact cctcctcggc ggtgttcgat gaagacaagc 120
cgatagccag cagcgggact tacaacttag acttcgacag catcgagctg gtggataact 180
tccagagctt ggagaaaaaa aaaa 204

<210> 127
<211> 189
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(189)
<223> n = A,T,C or G

<400> 127
aagtatgttg tccgtaaaan gagcaangca gcagtannaa ancatgcaaa aatgnaaggc 60
tgaagatgga gagaactacg ccattaagaa gcaggcagca gatccctgca ngtagtcccc 120
gatgatgatc ccagattgcc agcgggtcggc ntagcaggct gncatatact gatcttcagc 180
agatattag 189

<210> 128
<211> 183
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(183)
<223> n = A,T,C or G

<400> 128
actgcctgca ctgcagtgtc cccagangna cacatggtaa cagtgatgcc gctggcagta 60
tggagtaagt accatcagca agctcatggt tgacttccag agggagtcca acctcagatg 120
acgactctgg ctgtgctttg gaagagtacg cctgggtccc cccagggctg aagcctgagc 180
aga 183

<210> 129
<211> 180
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(180)
<223> n = A,T,C or G

<400> 129
gtgcacattg taatactggg cagtaatttt gaaaggatta cagtatcatc ccaggcgcta 60
agcatggtaa atattcaagt gggatgtgta gactgttcaa tgcaacaagg caagnattgc 120

agcatcctat gggaacgtta tctctgtttt tgaaccagtc agtttgccga aaaaaaaaaa 180

<210> 130

<211> 178

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(178)

<223> n = A,T,C or G

<400> 130

actgaggaga agcggttngc agtgttngag atcctctttg ccctcatgan catccctnat 60
cctttacagc tccaacagtg ncaacgaggt cttccactac ggctccctgc ggggccgnac 120
gcgtcggcca gtcaactctn angaagngga gtttctccag cgcctacttc cctatcct 178

<210> 131

<211> 170

<212> DNA

<213> Mus musculus

<400> 131

aaagaagcag caacagtgga agagctgaac cccaaaggca tccctgagtt ctgggttcacc 60
atcttcagaa atgtggacat gcttagtgag ctggtgcagg aatatgatga accgatcttg 120
aaacatctgc aggatattaa agtgaagttt tcagacccta aaaaaaaaaa 170

<210> 132

<211> 161

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(161)

<223> n = A,T,C or G

<400> 132

tgtgtcttac tccctncata cctactggac gctgctgtgg tgtacagagg ccctgccctt 60
ggctgncacc gccctcttcc ccatcatcct cttccctttg atgggtatca tggaagcctc 120
caaggntctn taaaaggact acaaggacac caacatatgg t 161

<210> 133

<211> 160

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(160)

<223> n = A,T,C or G

<400> 133

tgaggttgca aggtgagaag anntcggccc agnggcgaac agtggagggt gcnttgaagg 60
agcgacagaa aggcagttga tgangctgcc gatgccctgc tcaaagcaaa agaagagtta 120

gagaagatga aaactataat tgaagatgca aaaaaaaaaa

160

<210> 134

<211> 153

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(153)

<223> n = A,T,C or G

<400> 134

catagcccat gtgctgaatc aaatagaacc cttcctgggt caacgacgaa tggctccagg 60
gcattcttaca ggactcaagc cccagctgga ggttgaaggt naggaaactg gagaagatct 120
tacaggagct tgggtggaata ctgaagaat gtt 153

<210> 135

<211> 146

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(146)

<223> n = A,T,C or G

<400> 135

caagcctgca cttggaacgt tagcangcac cngttggccc anatcccaga agaanagacg 60
aggaaagang aggaaaggaa aaaataggan nctgatcana agaaggaagc tgctgtttct 120
gtacaagang agtctgatct tgaaaa 146

<210> 136

<211> 143

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(143)

<223> n = A,T,C or G

<400> 136

acgcatgaag tcagtaccac ccgtcnnac caactccaga atggacttgc catttttncctt 60
acaaagnatg tacgtcaact gctgaaaaat ggagacgccg tacctggaaa acaaaacgaa 120
gaaaaancct acataaatag gac 143

<210> 137

<211> 138

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(138)

<223> n = A,T,C or G

<400> 137
ggcctgtgca gtgacatggt ggactttctct agctgcctac atntgaagcg aactgttctg 60
ccntgttagg gaaactgatg accttagcaa agaatttgcc cgaccctgga aaagcacaag 120
attttgtaaa aaaaaaaaa 138

<210> 138
<211> 135
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(135)
<223> n = A,T,C or G

<400> 138
tgaggtagaa aatgtttacc ctcnacctgg ctgggttgaa atcgatcctg attctctctg 60
ggctcagttt gttgccgtaa taaaagatgc tgtcaaagct gcaggggtgc agatgaatca 120
aattgtcgaa aaaaa 135

<210> 139
<211> 135
<212> DNA
<213> Mus musculus

<400> 139
aataactata ccgctcttca tctattaatt acagccagga atctggagca gcagctgatg 60
atataaagcc atgtccacga tgtgctgctt atataataaa gatgaatgat gggagttagca 120
atcataaaaa aaaaa 135

<210> 140
<211> 132
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(132)
<223> n = A,T,C or G

<400> 140
aagcgattgc cagctggaat ggnaggtatt accttcagct ccctgacgac tacgagnact 60
cgcgcttctg agcctgggaa gaagagggtg agatgggcag acctagaaga aaagaaggat 120
gcagatagga aa 132

<210> 141
<211> 126
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(126)
<223> n = A,T,C or G

<400> 141

```

gacttgggca ccacctactc gtgcgtgact cgtgttcnag cacggnaaagg tggagatcat 60
cgccaacgac cngggcaanc gcacgacccc tagctacgtg gncttnaccg acaccgagcg 120
cctcat 126

```

```

<210> 142
<211> 110
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(110)
<223> n = A,T,C or G

```

```

<400> 142
cagctgcagc caccgccgcg cagtnccacg ctggctccgc gcgccatggt caccacagc 60
aagnttcccg ccgccgggat gagccgcccc ctggacacca gcctgcgcct 110

```

```

<210> 143
<211> 107
<212> DNA
<213> Mus musculus

```

```

<400> 143
tctcccttgg ggacaccatc ggtgtaggca ccccaggact catgaaagac atgctgactg 60
ctgtcatgca tgaagtgcct gtgacagcat tggctgtcca ctgccat 107

```

```

<210> 144
<211> 636
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

```

```

<400> 144
gctgtgcgca cgctcaaacc ctgcaaacca atgnccagct acctgggaca ggtaaagcgc 60
caacggnagt gacccccagg cgcagctggn aggctatgga gatgtacctg gcacggagtg 120
gactgcaggt ggaggacttg aaccggctaa acattattca tgtcactggg accaaagga 180
agggctccac ctgtgccttc accgaacgga tcctgcggaa ttacggcctg aagaccggct 240
tcttttagctc tcctcacatg gtgcaggtgc gggagcggat tcgaatcaac gggaaaccaa 300
tcagcccccga gctcttcacc aagcacttct ggtgcctcta taaccagctg gaggagttca 360
aggacgacag ccatgtctcc atgccctctt acttcgcctt cctcacactc atggccttcc 420
atgtcttctc ccaagagaag gtggacctgg cagtgggtgga ggtgggcatt ggcggggctt 480
ttgactgcac caacatcatc agaaagccag tggtgngtgg agnctcctct cttggcattg 540
accacaccag tctactagga gatacagtg agaaaatagc atggcagana gggggcatct 600
ttaagcctgg tgtccctgcc ttcactgggg tgcagc 636

```

```

<210> 145
<211> 615
<212> DNA
<213> Mus musculus

```

```

<220>

```

<221> misc_feature
 <222> (1)...(615)
 <223> n = A,T,C or G

<400> 145
 gcgtctgcgg ccccggaangg caggcactgc caccggggcga atcgnggcag ccatcggcgc 60
 tnggtgggac gtccagttcg atgcagggat taccacccat cctaaatgcc ctggaagtgc 120
 aaggcagggg acagcagact ggttttggag gtggcccagc atttggggga gagcacggtc 180
 agaactattg ctatggatgg cactgaaggc ttggtttagag gccanaaagt actggattca 240
 ggggcaccaa tcaaaattcc tgttggtcct gagaccttg gcagaatcat gaatgtcatt 300
 ggagaaccta ttgatgagag aggtcctatc aaaaccaaac aatttgctcc tattcatgct 360
 gaggtcctcg agttcataga gatgagtgtt gagcaggaga ttctgggtgac tgggataaag 420
 gttgtggatc tgctggcccc atacgccaa ggtgggaaaa tgggactctt tggaggtgct 480
 ggcgttgga agacagtact gatcatggag ctaatcaaca ntgtcgccaa agcccatggg 540
 ggttactctg tatttgctgg tgttgggtgag aggacccgtg aggncaatga tttntaccat 600
 gaaatgattg atcaa 615

<210> 146
 <211> 606
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(606)
 <223> n = A,T,C or G

<400> 146
 gactgagact ggagatttga tgcatcacct tgggggtgggt ggagaggacc acagtgacca 60
 tgatgaccac ggtgatcatg ctgaccacag tcatccggac aggaaagcca gccaccaaga 120
 ctctgagctc catactcccc acaacagcan catctagtgt atgggacacg ctgtgcctga 180
 gtgccaaaga tataatggct gtgtatgggc tatctgaaga ggctgggggtg agccctcagg 240
 cctgggcccc actgaccctt gccttggtcc agcaacagct aagtggagcc tgcagcccct 300
 accccactat ncgtattcag gaccagctca gnnaaacaga gaggtatctc tatggctcgc 360
 tggccaccct gctcatctgc ctctgtgctg tgttcgggtc tctgtgctg acctgtgcca 420
 aatgcancac anccaccac tacatcatgc agaccttct aagcttggtg gtgggcgcac 480
 ttaccggcga tgctcttctg cacctgatac ccaaggngct gggactgcac acacatggng 540
 gagaggggtca cacccatgaa gaggatgtgg nccgttggtg ggcangccac cctggcgcct 600
 gctggt 606

<210> 147
 <211> 597
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(597)
 <223> n = A,T,C or G

<400> 147
 tgtcataaaa actttaagga gaagagaaac ccacgcaagg tcaggtggac taaagccttc 60
 cgggaaagca gctggcaagg gagctcacgg tggacaactc atttgaattt gaaaaacgta 120
 gaaatgaacc tgtgaaatac cagcgtgagc tngngaataa aactattgat gccatgaaga 180
 gagttgaaga gatcaaacag aagcgcngg ccaaatatat aatgaacagg ttgaagaana 240
 acaaagagct ccagaaggng caggacatca aggaggtcaa gcagaacatc catctcatcc 300

```

gggctcctct cgctggcaaa ggaaagcagc tggaggaaaa aatgggtccac cagttacagg 360
aggatgtgga catggaggaa gcttcctaac gngngtgccc gcaaccagcc ctgagcacgc 420
tggagtggag tggagacttt cngcccctaa gttattcatt gggtccataa ggnccctcag 480
acaangggga ttcaatgtgc tttccccttc aacgttgcag cctgtaaaag catncccttg 540
tgggnggttg ggtctnagct cancactctg cttcctgntg ttatgcgcac ccacaca 597

```

<210> 148

<211> 588

<212> DNA

<213> Mus musculus

<400> 148

```

actgaggttg acaagagttc cccgagatag aagccctgaa ggagcgggca tcctcccagc 60
taccacagga atgtggtcgt gaggcagagc ccgcagcttt cagaagaaga gtagtcttgg 120
gccatggccc aggtcagcat caacagtgc tacagcgagt gggcttccag cactgatgct 180
ggggagcggg gcccgtttgc tccaaagtcc ctgtgtggat gtggtaccta agagtgagg 240
ggaggcgtct cctggagatc cagacagcgg caccacttcg acgcttggag ccgtcttcat 300
cgtcgtcaat gcctgcctcg gtgcgggtct gctcaacttc ccagcagcct tcagcaccgc 360
tggggcgctg gcagctggca tcgccctgca gatggtgagt gagtgcgcgc gtgcgctggc 420
atcggaggtg gccaggcaac tccgggcctc tgatttgcag gggaggcttt gaatcagaga 480
tgagccataa gggacatatg tcgtcctcct tccctcccct ataatgact ttatcagtct 540
atcccagaac ttctgtgta gccatggatg acttttaacg ttagatct 588

```

<210> 149

<211> 584

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(584)

<223> n = A,T,C or G

<400> 149

```

actgagattt ggactgagca acaaatattga atcagaattc ccttcttcat taactggaaa 60
agtagctcct gaagaattta aagccagcat caacagagtt aacagctgtc tcaggaagaa 120
tcttctctgtt aatgtgcggg tggttgcgtt tgtggctgcc tgtgcttgcn tgcgtgcacg 180
ttagggtgca gtatgtggcc agttatttgc ctcatgaaaa gaacacgaag atcgattgag 240
aagttattag aatgggaaaa caatagggtta taccacaagc tgtgcttgca ctggagactg 300
agcaaaagga aatgtgaaac gaacaacatg atggaatatg tcctcctcat agaattttta 360
ccaaagacac cgatttttctg accagattag catttgcttt atttatagag actttccaag 420
ngngntgtct ttccaatggg gccttgcttg gtgctctcct gctggtgaca tgatgctggg 480
tctacagaat tgggngngnn tcttggttgn tttgtttttt aaataaccgg atgttctatg 540
tgtgcatatt tgtcaaactt tgcaaggatg ttcatacaga tggtt 584

```

<210> 150

<211> 579

<212> DNA

<213> Mus musculus

<400> 150

```

actgaggatg gctgttcttc tgatgaggtt gatgctacaa actacaaagc ttgaccataa 60
cttaattgga agatgttttc aaagacacgc tgtgaagcca gatccagcac agctgtccct 120
gtctgcgtcc accccaaagc tgttgtacct gacttctgca aaagggttta gtactgctgg 180
agaccacag ggtgagagga aacagaaaag aagggtatgct ttctctaaca ccggccggaa 240
gattagttag cggattatcc gcgtcctgga tgagaagggc atggacctgg ggatgatgca 300

```

```
tcgagcagat gtgatcagac tcatgaacaa gcaggacctg aggctggtgc agaggaacac 360
cagctcagag ccaccggagt accagcttat gaccggagag cagatccacc aggagcggct 420
aaagctccgg gaacaggaaa aggccaaacc caaaactgga ccaactatga cgaaagagct 480
cgttttctct tcaaattattg gacagcacga ttttagacacc aagagtaaac agatccagca 540
gtggatagag aagaaatacc acgttcaagt cacgataaa 579
```

```
<210> 151
<211> 578
<212> DNA
<213> Mus musculus
```

```
<400> 151
tgaggcgctg gagatctggt aaaagtacca tcgtgaaaca gatgaaaatc attcatgagg 60
acggctattc agaggacgaa tgtaaacagt ataaagtagt tgtctacagc aatactattc 120
agtccatcat tgcaatcata cgagccatgg gacggttgaa gattgatttt ggggaatctg 180
ccagagcaga tgatgccga cagttatttg ttttagctgg gagtgtctgaa gaaggagtca 240
tgacttcaga actagcaggc gtgattaaac gtttatggcg agatggcggg gtacaggcat 300
gcttttagcag gtccagggaa tatcagctca atgattctgc ttcatactac ctaaattgatt 360
tggatagaat atcccagacc aactacattc caactcagca agatgttctt cggacaagag 420
tgaagactac aggcattgtg gagaccact tcaccttcaa ggaactctac ttcaaaatgt 480
ttgatgtagg tggccaaaga tccgaacgaa aaaagtggat tcaactgtttt gagggagtga 540
cagcaattat cttttgtgtg gctctcagtg attacgag 578
```

```
<210> 152
<211> 576
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1) ... (576)
<223> n = A,T,C or G
```

```
<400> 152
actgaggtaa ccaggctctct ctgcagccat gtcagccaag gcaatttcag agcagaccgg 60
caaagaactc ctgtacaagt acatctgcac cacctcggcc atccagaacc ggttcaagta 120
cgccccgggtg actcccgaca cagactgggc ccactctgctg caggaccacc cgtggctgct 180
cagccagagc ttggttggtc agccagacca gttaatcaaa cgtcgaggaa agcttggcct 240
ngtcgggggtc aatctctctc tggatggagt caaatcctgg ctaaaacctc gcctgggaca 300
tgaagccact gtcggcaagg ccaaaggctt cctcaagaac tttctcattg aacccttcgt 360
ccccacagt caggcggagg agttctacgt gtgcatctat gctaccgggg aaggagacta 420
cgtcctgttc caccatgaag ggggtgtgga tgtgggcgat gtggatgcca aagcccagaa 480
gctgcttgtg ggtgtggacg aaaagctgaa taccgaggac attaagagac acctgttggg 540
ccatgcacct gaggacaaga aagaagtcct ggccag 576
```

```
<210> 153
<211> 575
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1) ... (575)
<223> n = A,T,C or G
```

```
<400> 153
```

```

aacgggcagg cgccacgngc ccaggcggca aacnccgnaa ccgctttgnc aantaaggaa 60
cgccagtgta aacgtactac ttgcgaacc tgagcaacaa ntccancgc tacatggnag 120
tacatcttca ccacctgagt ggacacgcgc tggcgctata tgcctatgat cttctccgcg 180
gccttctctg tttcctgggt cttnttnggc ctctctctct ggtgcattgc cttcttccat 240
ggtgacctgg aggccagtc cttctgtgcc gcggcaggag gcccgggggg caatggcggg 300
gcaagcccga atgcccccaa accctgtatc atgcacgtaa acggcttttt gggggccttc 360
ctcttctcag tggagaccca gacgaccatt ggctacgggt tccgggtgtgt gacagaggag 420
tgcccgttgg cggncattgc gnggggttgt ccagtccatt gtgggctgng tcattgactc 480
cttcatgatt ggcacgatna tggccaagat ggnacggccc aaggaagcgg gcacagaccc 540
tngntgttan ancaccatgc tgtcaatctc cgttc 575

```

<210> 154
 <211> 571
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(571)
 <223> n = A,T,C or G

```

<400> 154
ctgaggtatc actcaaccaa tctaaagcaa aagcacagca gggcaggcct tcctgtgtgt 60
taacacagga aggctggcac cctgggtcatt ctggagaccc cagcactgac cggcttccgg 120
aagggcagca agatctgtcg tcgcagcaca tggaagaagt tgccaggggt ggaacagttg 180
acaacaatcc agttgcagtc atagagctga ttgatgtcaa agttttcttc ctgcagggtcc 240
tatngcatgg gaggaaatgg gcagaggcca atggcacctt gtgagcattg tgcctgggac 300
aggaggcaac acgaggcgaga gaggtctcag gatgtctctc aggacactca aggactcact 360
gaggacagng agaacaggat ccacagcttc cctgagtctg agccccattt aatccgnggt 420
ggctcctgag ggctaccgtt tagcagngga tacatgggat ctaggagacg tacagtcaag 480
tctacatttc cttagaaact gactcctggg ttctttttaa gctgccttaa cgcggtctggg 540
aaagatggna ctgactgttc ttccaaaggt c 571

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<210> 155
 <211> 570
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(570)
 <223> n = A,T,C or G

```

<400> 155
gactgagctt ggcaattatt tatggcgtgt tctctgcttc aaatttgatc actccgtccg 60
tggtcgccat tggtggacct cagatctcta tgtttgtcag tggtttggtt tacagcatgt 120
acattgccgt ttttatccag cttttcccat ggtccttcta cacagcatct gtcttcatcg 180
gaattgccgc tgctgtcctt tggacagcac aaggaaattg cctgacgata aattctgatg 240
agcacacaat cgggagaaac agcgggaatt tctgggcact cttacagtct agcttggttc 300
ttgggaatct ctacatatat ttgtcatggn aagggaagac ccagatctca ngntggnctn 360
gttcncgttg ctttattaan atggctatga aagttagcag caggactaca gaatggcccc 420
tctgctctaa ncancactca ctcccaggaa ctttggcacc ctgatgttgc ttctgangcc 480
tgctttttcc caagtggctg ggctttgcta gccaggctcc caagggtctg tgtgcgctcc 540
cttggttgat ccnggccctc cccagggttaa 570

```

<210> 156

<211> 569
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(569)
 <223> n = A,T,C or G

<400> 156
 gaagctgcaa ggtcacncat ttctgaatca tnggagcagg aacantaaac nagagaaaat 60
 ggtgttacag atgacctggg atgctcccaa gcccaaaaaa gctaaaatga gagaaaagct 120
 aaatggagac accaangaag gacttagatt ttcagatgaa ttctcccat ctcataagtc 180
 aagaanaaaa gacctgccna atggagatgt ggatgagtat gagaaaaggc caaagcgagt 240
 gtcacctca gaaaactctc acaagtcang cgatnaagca gaggagactc taacacgtga 300
 acaaaaggaa ggagccttct ctaatttctc catttctgag gagaccataa agcttctgaa 360
 aggtcgaggg gtaacatata tctttcctat tcaagttaaa acctttgggc ctgtntatga 420
 aggaaaagat ttaattgctc aancccgac aggaacagga aagacnttct cttttgccat 480
 acccttgatt gaaaggctcc aaagaaaaca agaaacantt ctgtttgccg tcncctnng 540
 gtacttcggg ttggctccaa caagggaac 569

<210> 157
 <211> 568
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = A,T,C or G

<400> 157
 caagatgctc aactacanca ctcccagcgc tgggggctgc ctgctggaca ggaaggcagn 60
 gggcaccctc gctggcgggg gcttccctcg caggcactcg gncactctgc ccagctccaa 120
 gttccatcag aaccagcttc tcagcagcct taagggtgag ccggccccag tccctgagct 180
 cacgcngaca gccgctttcg agaccgctct ttctccgaag ggggcgagcg gctgctgcc 240
 acccagaagc agcctgggag cggccaggct aactccagcc gctacaagac ggagctgtgc 300
 cgtcccttcg aagaaaacgg tgctgtgaag tacggggaca agtgccagtt cgcgcagtc 360
 atccacgagc tccgcagcct gaccgcccac cccaagtaca agacggagct gtgccgcacc 420
 ttccacacca tcggcttttg cccgtacggg ccccgctgcc acttcattca taacgccgag 480
 gagcgacgag ccctggcggg gggccgagac ctctccgctg accgtccccg cctccagcat 540
 agcttttagct ttgctggggt tccagtg 568

<210> 158
 <211> 568
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = A,T,C or G

<400> 158
 gactgaggtg ggggtctttac tgggcngng agtttncagt nggagactgc ggccatcacc 60
 gtcgcccctc gctgtcccgc tggcgggccc actcgatatt gcctgtggac gatgatata 120

acgggctaaa	cgaggagcat	aagcngcntt	nnangtacta	tctctaagnt	tnttcaagag	180
aacctggccc	ccaaggccca	agagatngat	cnaaccaatg	acttcaagaa	cctgagagag	240
tntgtggaaa	cancctgggg	agcctggntg	tactgggcat	cacagccncc	gttcagtatg	300
ggggntntgg	cctgggctac	ctagaacatg	tgttggtaat	ggaagagata	tcccagggct	360
tngggagcag	gggggctcag	ctacgggtgct	cactccaacc	tctgcgtaaa	ccagantgtn	420
cgaannggga	atgaggcnca	gaaagagaaa	taccttccca	agctcatcag	tggtgagttc	480
atcggagcct	tggccatgag	tgaacccaat	gctggctctg	acgttgtctc	catgaagcta	540
aaagcagaaa	agaaaggaga	tcactatg				568

<210> 159

<211> 567

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(567)

<223> n = A,T,C or G

<400> 159

actgagtaaa	tgtttatttg	aggcttgagc	tgggatacaa	gcaagaaaga	tctgactgaa	60
tatttgtctc	gatttgggga	agtggtnac	tgcacaatta	aaacagaccc	agtcaccggn	120
aagatcaaga	ggatttgnat	ttgngctttt	caaagatgct	gcgtagtgtg	gataaggttt	180
tggaaactgaa	agaacacana	ctggatggca	aattgataga	cccaaaaagg	gccaaagctt	240
tnnnnggggaa	agaacccccct	aaaaaggtct	ttgtgggtgg	attgagccca	gatacttcag	300
aagaacaaat	taaagaatat	tttggagcct	ttggagagnt	ggncgtgtatt	gancttccca	360
tggatacaaa	aaacaaatga	aagaagagga	ttctgtttta	tcacatacac	agacgaagag	420
ccagtaaaga	aactgttaga	aagcagatac	catcaaatag	gttctgggaa	gtgcgaaatc	480
aaagttagcgc	aacccaaaga	ggtgtacagg	cagcagcagc	aacaacagaa	aggaggcaga	540
ggggctgcag	ccggcggaag	aggaggt				567

<210> 160

<211> 567

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(567)

<223> n = A,T,C or G

<400> 160

gactgagaga	agatcttctc	agaagcaact	cccagggtgtg	agcagtgctca	gagcgtggta	60
aagcctgata	tcgtgttttt	cggtgagaac	cttccatcgc	gcttcttctc	ctgcatgcag	120
tcagacttct	ccaagggtgga	cctcctcatc	atcatgggca	cctccctgca	ggtgcagccc	180
ttgcctccc	tcacagcaa	ggcaccacta	gccacccac	ggntgctcat	taacaaggaa	240
aagacaggcc	anacggaccc	cttccctgggc	atgatgatgg	gcctgggagg	tggcatggat	300
tttgactcca	agaaggctta	cagggacgtg	gcctggctgg	gtgactgnga	tcaaggctgc	360
ctggctctcg	ctgacctcct	cggtatggaag	aaggaaactgg	aagaccttgt	ccggagggag	420
catgccaaca	tagatgcccc	gtcaggttca	caggccccca	acccagcac	taccatctcc	480
cctggaaaagt	cccaccgcc	tgccaaggag	gcggccagga	ccaaagagaa	agagggaacag	540
cagtaaacagt	aacctgacc	tcccga				567

<210> 161

<211> 565

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(565)

<223> n = A,T,C or G

<400> 161

```
actgagcttc ggaaggagta tggggccaac gtggttcctg cattcccccc aaagaagctg 60
ttctctttga cccctgcaga ggtggagcag aggagagagc agttggagaa gtacatgcaa 120
gctgttcggc aagacccatt gcttgggagc agtgagactt ttaatagctt tctacgtcgg 180
gcccaacagg agacccaaca ggtgcccaca gaggagggtt ccttgggaagt gctgctcagc 240
aatggacaga aagttctggg aactgtgcta acttctgacc agacagaaga tgtcctggag 300
gctgtggctg caaagctgga tcttcagat gacttgatcg gatatttttag tctcttcctt 360
gttcgagaaa aagaagatgg agccttttct tttgtacgga agctgcagga gtttgaactg 420
ccttatgtat ctgttaccag tcttcggagt caagagtata agattgtgct cagaaagagt 480
tattgggact ctgcctatga cgacgatgac atggagaacc gggttggcct gaacctgctt 540
tatgtcanaa cgggtgacag acatg                                     565
```

<210> 162

<211> 562

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(562)

<223> n = A,T,C or G

<400> 162

```
actgagccgc tttgaattta tttggacgtg atgaaattgc tacctatgag acagggaaag 60
tgnatcatga agagaccaag gggattcact attgcactcg catcctggta ccgtgtcacc 120
tcgggtcagt gacagttgca tttgcaccag gccttggaaa gatgacgtgc agagcccaaa 180
tgaaggcatc agcactgact agggttctga tgactctact ccagaaaggt gcatgaagag 240
gtctcctagc tccatcacat ccacatcatc agtgcttggg ggcttgctgg gtttctccgt 300
ttgccatctg caaatacttg cccaagtcac gcgaaaacag gcactggctg ccttcaccac 360
ttacaccatg cataaaatac ctgtgggtga cctgcttggg gcccatggca gtgggtccac 420
gggctggagt cgcactgaaa tctcanagct gccagtgcc tggcccagcc tggccctgtc 480
cccaacaaat cattttcaaa tgaatgttta gaactgaagg atgtaagaaa tgaaaaaaag 540
taataaaaga ctcatctctg ac                                     562
```

<210> 163

<211> 562

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(562)

<223> n = A,T,C or G

<400> 163

```
actgagcggg ggcactttta acagctggct ggntgttcgt catattgaaa agtacgtaaa 60
ccaaggtaaa agtggaaaca gagaattgct ctggctcctg gcacagaaaa acaagacgat 120
cgggcacctt ttagagggtt tccaggacat ggggcatcaa cgagctatcc acttaatcat 180
caactatgga gtaagctgga ctcttctcgt gcagacgcat cacgagcttc cattccccag 240
```


<220>
 <221> misc_feature
 <222> (1)...(553)
 <223> n = A,T,C or G

<400> 166
 gactgaggtt ggaaaaaggc agacatgacg aataaaaaata tgactcatca ggtacaagct 60
 gagagagatg ccctggcact gagcaaaagc ccttttggtg tgcactctcta ttactcactg 120
 cagtcagcan gcaacatcta cttgataatg gagtatctta ttggtggaga tgtcaagtct 180
 ntcctacata tatatgggta ttttgatgaa nagatggcta taaaatatat ttctgaagta 240
 gcattggctt tagactacct gncagacat ggnatcatcc atagggatna gaaaccggac 300
 aatatgctta tttccaanga gggtnatatt aaactgacag attttgggct tttcaaagtt 360
 actttgaata nagacatcaa tatgatggat attctcaca caccatcaat gtctaaacct 420
 aagcaagatt attcaagaac tccaggacaa gtcttatctc tcatcagttc tttgggattg 480
 ttcacaccag ntggagaaaa agatcaagac tctgcaaaca tgtntncagc ccctaagtct 540
 gctgcacaac ttt 553

<210> 167
 <211> 551
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(551)
 <223> n = A,T,C or G

<400> 167
 gaactgagcc cccctaggcc cagaggttgg ttcttctgtg gacatgcctg ccatgtggcc 60
 acttcttcat gtcctctggc ttgctctggt ctgtggctct gtccacacca ccctgtcaaa 120
 gtcagatgcc aaaaaagctg cctcaaagat gctgctggaa aagactcagt tttcagataa 180
 acctgtccaa gatcgggggc tgggtggtgac nggacatcaa agctgaggat gnggttcttg 240
 aacatcgtag ctactgctca tcaaggggct gggagagaaa ctttgctgga gaggtcctag 300
 gctacgtcac tccatggaac agccatggct acgatgttgc caaggtcttt gggagcaagt 360
 tcacacagat ctaccagtc tggttgcaac tgaagagacg tggtcgtgag atgtttgaaa 420
 ttacaggcct ccatgatgtg gaccaagggg ggaatgcnagc tgtcaagaag catgccaaag 480
 gtgtgcgcat agtgcctcga cttctgtttg aagactggac ttatgatgat ttccgaaacg 540
 tcttagacag t 551

<210> 168
 <211> 547
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(547)
 <223> n = A,T,C or G

<400> 168
 gactgaggtt tagaaggatc cagcccagag ctaaggtggt cacagaaggg agagtcagcc 60
 atctgcagct aggagatatg cttaaaggaa agactcagca gcaaggagct ggggtgtgat 120
 ggccggctcc cacgtggaca tggcgccagc ttccaccacc gaggggaactg gggaaaagcc 180
 agggcccaact ggcgccagc ccaccccagc tgctcagtat gagtgtgggg aatgccggca 240
 agtccttcag gtgggtcatct cggctcctgc accatcagcg cactcacaca ggngancgnt 300
 cctataaatg ctgggactgc cnnaaancnn ttanggggnc ctgaancttc ctgtancacc 360

```

agcggngcca tacaggngan cgnncctatn aangcccaca ctgnccann gcctttnagc 420
gctntttctt gctgcagatc caccgcagtg ctgcacacnn gctctgtngn ncttgacctg 480
nnnncagagt ggtctgnnct tccagnggtc atcccattac caataccact tgagacagca 540
taccggt 547

```

```

<210> 169
<211> 545
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1) ... (545)
<223> n = A,T,C or G

```

```

<400> 169
gactgagggt ccaggagcag taccaggtc gctctggctc cagtgaggat gaagcggcca 60
gtgaggcccg gagcaccacc agtgactgtc ccagccttct cagcaccacc acagaggact 120
gcctgggttg cgaagcggtg gacgaacaga gccagcagga aaacctggag gagaagctga 180
aaggttatgt ggactgcctg actgacaaga gtgccaagac ccgtcaagga gccctggaga 240
gcctgcgcct ggccctggcc tccgcctac ttccggactt tctgctggag cgcagcctca 300
ctctggcgga tgccctggaa aagtgcctta agaaaggga ggggtgaagaa caggctcttg 360
ctgctgctgt gctaggcatt ctctgtgtgc agttgggccc tggaccaag ggcgaggagc 420
tgttccgtag cctgcagccc ttgctcatct cggtgctcag tgacagtaca gcaagcccca 480
ctgcccggct ccattgngct tctgctcttg gcttgggttg ctatgtggct tgccaccgac 540
gtcca 545

```

```

<210> 170
<211> 542
<212> DNA
<213> Mus musculus

```

```

<400> 170
actgaggaaa ggaaacctcg tgctcctgga aatggcctga tatgaaggag ccaccctcc 60
agctttccct gtgggtgcct cgtccttcag gtacaggagc tggctgaaac atcaggaatg 120
gaagccaatg tgactatccc aatctggcaa aacaagccac atggggctgc tcgcagtgtg 180
gtaagaagaa ttgggaccaa tctccccctg aagccctgtc cacgggcatc ctttgagacc 240
ctgccaaca tctctgacct gtgtttgaaa gatgtccctc cagtccctac tctggctgac 300
attgcctgga ttgctgcaga tgaagaggaa acatatgtct gggtcaggag tgatacacgc 360
cctctgagac atacctggaa gcctagccct ctgattgtca tgcaacgtaa tgccctcagt 420
cccaacctgc gtggctctga ggagaggctc ctggccctga agaagccggc cctgcctgcc 480
ctgagccgca cactgagct gcaggatgag ctcagccacc tgcgcagcca gattgctaaa 540
at 542

```

```

<210> 171
<211> 542
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1) ... (542)
<223> n = A,T,C or G

```

```

<400> 171
tccgcactcc tacgagcccc gnggnncagg agtnctgtca tgccgctggg gcgctacagg 60

```

```

aagggtggcca tcctagggta ccgctccgta gggaagacat ctttggcaca tcaatttgtg 120
gaaggcgagt tcctggaagg ctacgatcct acagtggaga atacttacag caagacagtg 180
actcttggca aagatgagtt tcacctacat ctggtggaca cagcagggca ggatgagtac 240
agcattctgc cctactcgct catcatcggg gtccatgggt acgttcttgt atactcggtt 300
aactctctgc gcagctttca gatcgttaag aacctgtacc aaaagctaca cgaaggccac 360
ggtaaaaccc ggctgtcggg gctgcttgtg gggaacaagg cagatctctc tcctgagaga 420
gaggtgcagg cagttgaagg gaagaagcta gcagagtcct ggggtgcgat gtttatggag 480
tcgtctgctc gggataatca gctaactcaa gatgtcttca tcaaagtcac ccaggtggag 540
gg

```

```

<210> 172
<211> 538
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(538)
<223> n = A,T,C or G

```

```

<400> 172
aacttgtccc atctggnaca ctgtgcttgg ggctttagat gttcaagaac actctttggg 60
tgtccttgct gttctgtttg tgaagttctc aatgccaggt gttcctgact tcgaaacact 120
attctcacag gttcagcttt tcatcagtac atgtaatggc gagcacattc gatatgcaac 180
agatacgttt gctgggcttt gccatcagct aacaaatgca cttgtggaaa gaaaacagcc 240
ccttcgagga attggcatcc ttaagcaagc catagacaag atgcagatga ataccaacca 300
actgacctca gtacatgccg atctctgccg gctttgttta ctacggaagt gctttaaacc 360
tgcccttcca tatcttgatg tggatatgat ggatatctgg taaagagaat ggagcctatg 420
atgcaaaaca ctttctgngc tactactatt atggaggaat gatctatacg gggctgaana 480
acttttgaaa agancgctgt acttttatga gcaggctata actactcctg cctggccg 538

```

```

<210> 173
<211> 537
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G

```

```

<400> 173
gccatgaaag aatcatnatn cattttatcc accacctctt cctcctgcaa caagagtgag 60
gccgtcctct ccatagngca gctgtaccac ctgggtgatg gagttntctc cagttgcatc 120
atatttcacc atcaccgact ccatggactt tatcagcctt cgctgaatat accctgggaa 180
agggaattaa ttgaaagacc tgaggtaaaa gcatgacaaa gctcaaaatg cagagaccaa 240
aattcanctt tagatggaga atccccattc ccatctccac aagagctcan aaaaggcctc 300
accagtctca gcagtcttaa cagccgtgtc aatgagacct tctcgtcctc ccatggcatg 360
gaagaagaac tcantgggtg tgagaccanc caagtatgaa tttntacaa agcctcgnct 420
ctcaggacca taatcatnct tgataaagtg aggaagagtc cgatgcttga atccaaatgg 480
gatccgcttg ccctctacat tctgctgccc gacaacagca atgacctaag ggggatg 537

```

```

<210> 174
<211> 535
<212> DNA
<213> Mus musculus

```

<400> 174
 actgaggcct ggtaggggag gagtgtgtag gtgccatcgt ttgcaagttg gatatgcaca 60
 aaaagatgtt ccgcagaggt tatatagcca tgtagccgt ggactccaaa tacaggagaa 120
 atggcattgg tactaacttg gtaaagaaag ctatatatgc catggttgaa ggagactgtg 180
 acgaggttgt tttggaaaca gaaattacaa ataagtctgc tttgaaactt tatgaaaatc 240
 ttggttttgt tcgagataag aggctgttca gatactattt aaatggagtt gacgcactgc 300
 gacttaaaact gtggctgctc tgaggaactg acagcaagga acgactccac ccacacggaa 360
 gcgacttttg catgcaatgc aatttgtgca gaattgcttt gcagggtggat ttagtgattc 420
 ccatgcagct gttatctgtc agtgtccatt gagtgcgca caatatttgt tgcactttgg 480
 catggcgcat ttgttctgaa ttaaatgaaa ttgtttttaa cttcaaaaaa aaaaa 535

<210> 175
 <211> 532
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(532)
 <223> n = A,T,C or G

<400> 175
 gactgaggct gttgaattgg ctgnctataa tgggnaagaa cctacattgt anaagagact 60
 gttggnccagt atntttcaag catnaacctc cagggaancc cttttgtctc tggctctttg 120
 ataggacagn gctcttcaca aaaggattat gtgattcttg ccactagaac accacccaaa 180
 gaggaacnaa atgacanngt caaacngccn agagctaagt tggataattt ggatgaagaa 240
 tggggccacag aacatgccan ccaggagtct ctgngncacc cntggcaaag cttgagcann 300
 agaccttaac gcctaccccc ncagngacnc anttnctnca acaaagctnt gcctactnca 360
 ccaagaccac acttgcnat agnnccgttc cccntgcctg agcncagct tcaaacacat 420
 gagngcattg gngccgtacc tattcacacc accacatctg ncangaagna ggaanagcat 480
 agnngcgttg gggctggatc tngnaaaagn ggggcatcaa taaagatact gc 532

<210> 176
 <211> 527
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(527)
 <223> n = A,T,C or G

<400> 176
 acgtgaaaaa attgtttcat cagctcatal gttgtgaaag ccacagcttg agaggggata 60
 cagcggatgt agttcagaga taagccacgg tacaatcctc tccgaatccc atgctgtcca 120
 tagacgtact tcatggtctc ccgcattgga ctgaaaggca gtggaaaatg atatagcaac 180
 catccaaagg ggacaagcca ccacaagggtg acaagacanc tcaagagccc agaacagctt 240
 cgtttgtttg gatggttctc tcagacagaa tgggtgctctg cagcctgggc tagcttttga 300
 ctataatctt ctgcctccca aatgctgggc aaagagggct atgccaccag aaccaaccta 360
 ggttagcatt tttaaaggag gcttaactgg ttatgggttc tcaagcttac aatcttagca 420
 cttcagaagc taaaaggagt ttcaagccaa cttgagctac agagatagaa tttgtatcaa 480
 ataaaacaat aaatatttgc atatataaat acacacataa aaaaaaa 527

<210> 177
 <211> 524
 <212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(524)

<223> n = A,T,C or G

<400> 177

```
gactgagtga tggtcagtct tcagccattc ctgtagccag tgtggagttt gcagccatct 60
gtctcagaaa tgccttggtg ctgttacctg aagaacagca agatcccaag caggaaaatg 120
gtccaagag cagcagccag cttggaggga acaccgaaa gcagcgagag cagcgagacc 180
gtgcagcagt aagagccatg atggagataa agttcattcc ctgctccacc gtcttctccc 240
gntgaggaaa caggaggtta agaaaacctt naagtgttc attcttgctt gcagtgttta 300
tgtggctctg gcccttaggt gataanctc atggcttttg aaccatgcag atcagctcct 360
gcagcanccc aagtggctg gctttnttta aattttgggc cattttatat ggccggagaa 420
agcccctnnt ctcccttca anagggatnt gttgatgccn antaannnnc tttgaccna 480
aaaaaatgnc acttgatntc tttcttttgg ggatcttttt taaa 524
```

<210> 178

<211> 523

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(523)

<223> n = A,T,C or G

<400> 178

```
atgatggcca agaactggag cgctgctggg aacgctttct gccaggctgc ccaactgcac 60
ctacagctcc aaagcaagca ctgatgcagc cacctgcttt gnggacgctg gcaatgcctt 120
tcaagaaagc tgaccccaa gaggccatta actgtctgat gagagcaatt gagatctata 180
cagacatggg cagattcaca atcgcagcca agcaccacat ctccatcgct gagatctatg 240
agacagaact ggtggatgta gagaaggcca tcgcccacta tgagcaatct gcagactact 300
acaaaggaga agagtccaac agctcagcca acaagtgtct gctgaagggt gctggctacg 360
ccgcacagct ggagcagtac cagaaggcta tcgacatcta tgagcagggt gggaccagt 420
ccatggacag tcccctctc aagtacagcg ccaaagacta cttcttcaag gcggccctct 480
gccacttctg cattgacatg ctcaacgcca agctcgtgtt ttc 523
```

<210> 179

<211> 522

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(522)

<223> n = A,T,C or G

<400> 179

```
cagttccaaa cagtgcacct gcgggagatc tcaaccacgc tggagaagtg gacatgaggt 60
tggcaggccc cctgcgcac gtggccctaa tcatcattat ggggtctacc tggatcctag 120
tcaccatcct cctaggtggg cctgggtgtg gccttctctg aattcagcag ttcttcacca 180
gccagagaa ctcagtgact gcagaaccaa gggccaggaa gtacaaatgc ggctgcccc 240
agccttgtcc tgaagagcac ctgagctttc gaatagtcag cggggctgcc aatgtcatcg 300
ggccaagat ctgcctcgag gacaagatgc tcatgagcag cgtcaaagac aatgtggggc 360
```

```

gtggcctgaa catcgccctg gtgaatgggg tcagtgggtga gctcctagaa gccagagcct 420
ttgacatgtg ggctggagat gncaatgatc tcttgaagtt catccggnca ntgcatgaag 480
gnaccctggg gtttggggca tcctatgatg atccagctac ca 522

```

```

<210> 180
<211> 521
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G

```

```

<400> 180
gactgagatc cagtgtgtggg acacggcagg gcaggagcgg ttcaggaaga gcatgggtcca 60
gcactactac aggaatgtgc atgctgtcgt ctttgtgtat gacatgacca acatgggccag 120
cttcacacagc ctgccgggctt ggatagagga atgcaaacag caccttgctg gctgaacgac 180
ataccatcga attctgggtgg gaaataaatg tgacttgaga agcgccattc aggtgcccac 240
agactnnnca cacaagtttn ttgactcacn ctattttgcc tntgcnccc ancccangtg 300
natacnctn tgnttttgac tcaactgaaa tctatatcca tgaccttacn ccanaagcca 360
aagaccacac agccattgat gcttnnccag ctgntctgata acagaattag cctgaaacct 420
gagaccaagc ctgcggtgac ttgctgggtgc tgagtcatag gtgtgggcat tgcgggtctg 480
acttacctga agagatgatt ggggaagtgtg acagtgatga a 521

```

```

<210> 181
<211> 520
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

```

```

<400> 181
ccgtgggtcc acatactgct gcaccactnt gagcacanac tntgnetanc tnatgggtgtg 60
necntgcnnn tactggtntc nontatancc anttgntant naaacccttt atactcttgg 120
gcaangnatg ttctgttctt gaaaganngg gggggcccag aagtccagaa tgctgtgtgc 180
aaccacagcg ctgggactgt catcctgctg gaaaacctcc gctttcatgt agaggaagaa 240
gggaagggaa aagatgcttc tggaaacaag gttaaagctg agccggccaa aattgatgct 300
ttccgagcct cactgtccaa actaggagat gtctatgnca atgatgcttt tgggactgca 360
caccgagccc atagctccat ggggggngtg aatctgccac agaaggctgg gggatttttg 420
atgaagaagg agctgaacta ctttgccaag gctttgggag aatccagagc gacccttcct 480
ggctatcttg ggaggcgcta aagttgcaga caaggatcca 520

```

```

<210> 182
<211> 516
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G

```


<400> 182
gactgagggt tttatgacgc ttnaggctgt ggctgaatct ctgacctggg aagcagtggg 60
aacagctggc tgcanntcgg aaagggtttct gtgaanagag cacaaaggac gctggnagca 120
cagtttgtgcc tggcttgga acacnaactg tgaacacaga tgtgattcta aagcaggana 180
ttttaaagga ggcagancca caggcatggc tacaagaagt atcccaggta atgggtccan 240
cacttaccan atgtggngac cncctctgagg actgggaana aaagctgcca aaagctgctg 300
tncgtctgcn gctccagggt tntgaagagc nnggacacac gtgncatccc gnttctcatc 360
gntgtgtcca gagaggaaag ggactctaan aacaatgagt ctgagaacag tggcagntct 420
gtnccttggtc annacatcca gacagcanaa ggactggnca ccaacagtca gtgtggggat 480
gaccacanac aaggntncca tgtgaaatgc cattca 516

<210> 183
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 183
tactgcacct tcgtggtctc cttccataag cactactatc cctgggtcca gctttccgga 60
cacgctggga acttccaggc cggtgaggat ggtcggattc tgaaacgttt ctgtcagtgt 120
gagcagcgca gcctggagct gctgatggga gacccctgc ggcttttgt gcctgcttat 180
tatggcatgg tgcagcggga tggccaggcc ttcaaccaga tgggaagatct cctggcagac 240
tttgagggcc cctctatcat ggactgcaag atgggcagca ggacctacct ggaagaggag 300
ctggtgaagg ccagggaacg acccaagccc cggaaggata tgtatganaa gatggtgggc 360
agtggacccc ggggctccca cccanaaaa gcatgctcaa gggngccatt cacgaagccc 420
ccgatacatg cagnnggngg gagaccctga ntttnacttt ccacgcttgg gcttttccgg 480
attngaaggn catcaaaaaa ggctgatggg acctg 515

<210> 184
<211> 508
<212> DNA
<213> Mus musculus

<400> 184
aggagaagcc caagctccct cccagcaggg cccagtcctt gagctatgcc ttagcgacca 60
ctgatgcttc ctacttaagt tccattgtcc gactcttcaa aaacctcaac ttcgtgctgc 120
tggtcatcac ctatggtctg aatgctgggt ctttctacgc cttatccact ctgctgaatc 180
gcatggtgat cttgcacttc ccgggggaag aagtgaatgc tggagaatc ggtctgacca 240
tcgtcattgc aggaatgttt ggtgctatga tctcaggcat ctggctggat aaatccaaaa 300
cctacaagga gacaacctg gtagtgtata tcatgactct ggtgggcatg gtggtataca 360
cattcacctt gaacctgaac catttgtggg tagtattcat cactgctggc acactgggct 420
tcttcatgac tggctatctg cccctggggt ttgagtttgc tgtggagctc acataccag 480
aatctgaagg cgtgtcatct gacgccag 508

<210> 185
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(507)

<223> n = A,T,C or G

<400> 185

```
ctgccaggaa gcaactgggct ggtgtccata tnanagaagn atnaccntnt atggagactt 60
ctgctaata gcaaaacaat ggtggatgag ctctttgcag aaattgtgcn ggcagatgaa 120
cctatgcagc tcagcctgac aaagatgacc catgctgttc tgctgtaac atacaatagc 180
atccgaacat ggctgcccc ggacaggatt cgtctaggct cgtaggcaac agtaaccttg 240
tctactgcac tgcagtttgt aggatgggtg gtgtgtgagt ccacggtgca ctgcaacctt 300
caggccgat ggccagctga tgcctctgag tacctgtggg ttccgtgact acagcctcca 360
cttctgtcct cagtccttgt acatctgcaa cctgaaggcc ccaccgcaa gctacagggt 420
gacctcattt gacgtgatga tggcattgct gttgaggtga cagaagccac tgttgtgtaa 480
actaaaaata atcatgagag agaaact 507
```

<210> 186

<211> 504

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(504)

<223> n = A,T,C or G

<400> 186

```
actgaggtgg tgaattctta ctctgttggg aacacaggaa catttgtgag caggaagtat 60
gcctcccaag ttcaagcgcc acctaaatga tgatgacgtg accgggtctg tgaaaagtga 120
gaggagaaat cttttggaag atgattcaga tgaagaagag gacttttttc tacggggacc 180
atctggacca agatttggaac ctagaaatga taaaattaag catgttcaga atcagggtga 240
tgaagttatt gatgtaatgc aagagaatat taaaaggta attgaaagag gagagaggct 300
ggatgaacta cnggacaaat canaaagctt atcggataat gccaccgctt tcagcaacag 360
atccaaacag cttcgaaggc aaatgtggtg gcgtggatgc aaaataaaag ccatcatggc 420
tttggtgca gcgatccttt tgctaataat tatcattctt atanttgtga aattccgtac 480
ttgatttgat gacagagacc ctga 504
```

<210> 187

<211> 501

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 187

```
gaggagtccg ttcgaactgg accaagctgc cccacctctc ttcagtaaag tggttattgt 60
gttgatagat gcattaagag atgattttgt gtttgggtcg aaagggtgta agtatatgcc 120
ctacacaacg tatctggtag aaaaaggagc atctcatagc tttgtggctg aggcaaagcc 180
accacagtt actatgcctc gaatcaaggt ggataaaaat gtcacaaggc atttgacaa 240
agtattaaaa agaggagact gggatgtggt aatccttcac tatctaggac tggatcacat 300
tgccacatt tctgggcccc acagccccct gattggtcac aagctctngc naaatggaca 360
gtgngctgat gaaaatocnc ccttactgc tgnctgaaag gactgaaaga ctctcttacc 420
cagtnctgct gntctcnngt gncgaccatg gaantgncct gnaactgcna gcctggcgcn 480
cctctttcac ctgaggaagt g 501
```

<210> 188

<211> 500
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(500)
 <223> n = A,T,C or G

<400> 188
 aactgagcat cctaattgtcc tatgatcatg tggagcttac cttcaacgac atgaagaatg 60
 tgccagaggc cttcaaaggg accaagaaag gcaccgtcta ccttactccg taccgggtca 120
 tctttctgtc taangggaag gacnccatgc atntccttta tgatgccctt ttaccngatg 180
 aaggacntgt gatattaanc acccgnggtt nngngccanc ttnattaagg gaatagtga 240
 ggctgaagca tgangtgnct ggaaaggntn cncntcntac annctgacct tnacagcagg 300
 gggcgccatt nagttngngc anangatgct ncagntngna tntnnagcct tcnaagggtga 360
 agtcccacat gggagtacta tggctacttg ttanatgcnn agcgnggcct aagtgtttac 420
 tncgncagtc gnaaatggga atgtacnctt gcanntcntg nntatggnta tacagcacc 480
 gcgacccgga gtgctatoca 500

<210> 189
 <211> 497
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(497)
 <223> n = A,T,C or G

<400> 189
 ctctgagcc cttgccgctg tgacggntca gtgcgttgca cacaccaacc ctgcctaatac 60
 cgctgggann agtgagaggg gctcatggag ctgtgagctt tgctacttca agtaccaggt 120
 cctggcgatc ancaccaaga atccactgca gtggcaggcc atctccctga ccgtnatcna 180
 gaaggtccan attgctgcta tcgtcctggg atcgctgttc ctngnggggn gnatctcctg 240
 gctcatctgg ncctcgctca gcccttcagc caagtggcag cgccaggacc tcctcttnca 300
 natttgctat ggcatgtacg gcttcatgga tgtcgtcttc atangectca tcgtccacga 360
 agggnccttct gtttaccgna tcttnaatcg ctggcaggcc gtgnaccacc agtggaaagt 420
 nctgnnctat nacaagacca aggacgtggg aggagacaca gggggagggg cggcagggaa 480
 nccaggcccc aggacct 497

<210> 190
 <211> 495
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(495)
 <223> n = A,T,C or G

<400> 190
 cccactggtg caacctagag cgatccatnc ncntgcnenn ttactacctg naccntatan 60
 tantncagcg aggaatcctg cnccaacntc cactnggtng atacanctgg ggncacaact 120
 attantaatg ctgagccgtt ganaaccatg nnnnnnnntn gnanacanga ggaggacttt 180
 gtgtcnttac acacctcgag acaaggagag ccttcatgag aacctcagg accctagtcc 240

```

aggggtcaag gctgagaatc tggagctggc catccagaaa gaggtgaggg cctgcgagtg 300
gcgaccgaat gagagcacct cctcctagct ggcctaggat atctgagctg cgactccagc 360
ctgtagccca gttctccagt catgcccctg aaaccattct ggggggtggga gctactcagc 420
cttctncagc gtcacactcc ctagcttttag ngccctgctg ggggtgagcgg ntcttccatc 480
ccagctaacc ctcta                                     495

```

<210> 191

<211> 489

<212> DNA

<213> Mus musculus

<400> 191

```

actgagtgtg gatctgcagc agcaaatcat gactattgta gatgagctgg gcaaggcttc 60
tgccaaggcg cagcacctcc ctgcacccat caccagcgct ttgaggatgc aaagcaaccg 120
gcacgttatt tacatactga aggacacctc agcccgaccg gcagggaaaag gagccattat 180
tggtttcctc aaagttggat acaagaagct ctttgtactg gatgaccggg aggctcacia 240
tgaggtagaa ccccttttga ttctggactt ttacatccac gagtccgtgc aacggcatgg 300
ccacggggcg gaactttttc agcatatggt acagaaagag cgagtggagc cccaccaact 360
ggccattgac cgaccatcgc cgaagctgct caagttcctg aataagcact acaacctgga 420
gaccacagtc ccacaggtga acaactttgt catctttgaa ggcttctttg cccatcagca 480
ccgtccagc                                     489

```

<210> 192

<211> 488

<212> DNA

<213> Mus musculus

<400> 192

```

gaactgagct gaagatgtcc acctgcttgg tcagctgccc cactctgatg aagtgttccg 60
gcagatatgc agctgaggcc tggaacagga agcactgcct gccgtcatca ttaggccagc 120
ggctctgcac cggaagctta cctgaggcag agctgcatct ctgcctgtag gaatctgtcc 180
atggaccttg gactggagcc ggccacctgt gggaaaatac acagcccctg aagaccatc 240
caccctcagc ccccggcctc actgctccct gcagacaccc tcacctcacc tccctgagct 300
tcttgaaggc gaaggccaca ccgttccttt gaccctggta gatatcggc aagggtgccct 360
cgctgattcg gtggcttttg tcaaagtcct cagttgcttg gacgacatct gcttcaactc 420
agaaaagcct gtctccgggc aaacccaaaa gcctttcctg cttgggggca gatgtggaag 480
tactgctg                                     488

```

<210> 193

<211> 483

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(483)

<223> n = A,T,C or G

<400> 193

```

atthttcagt tgcattttta agnangnagg ctcatggtgc aaattgttat ttccaggga 60
tccctgtgct gatcgtgggc catcatatcc tgtatgggaa aaccatccac ctggagaaac 120
cttttgcaat ccttgtcaaa cacactcctg ggaagcagga ctgtgatgag cccggtcgag 180
ggactggcac ccagtacttg gtgacagcac tcatcaaaaa caagatcctt ttcaaaactc 240
gccccaaaggc tattatcacc aacgtcccca agaaagtatg aaagaacccc ggattttccc 300
tagagagcga ccaactcctt ggactcgtgc tccattgcca cctcgaggac ggctggacgg 360
agggcctgtt atgaacgcag gccacccaat ggggtgtgaac tcagatcctt tccttatggc 420

```

agcaggttct cttggtggaa acctggctcc atttccaagg gaatgcagct ccttttcaga 480
atc 483

<210> 194
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

<400> 194
gaccatgcac tgactcacag tnnatgacaga agtcttnttn ataccagta agggacactg 60
cctcactgcc atcncnagcn ancgctntnt canttcatgn gccacttgnc acanaagaaa 120
nggtngcggc tgagcaanca cgtgtngcat cgctgtttga gaacaagnct gagggacctg 180
ncnatgaagg acnttacaga naacnacttn ccanaaacat nagtttttgt tagctagaac 240
agcacgagtc accttcatgt ccaactgacga tgggtcaccc tgctgnagcg nccactcata 300
aaggacaang gcggtggangt ccgagctttc tcgacctctc agaactaccc cgtctgtggg 360
cagatgtaaa accacatcct tcccagcctt gctaacggga ggcttgtcct catctgtgaa 420
agagaagaga caggagagggc atgcctctct gattccccag ctgatgaaca gcaatagctc 480
t 481

<210> 195
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

<400> 195
agttgcgcat gcccccaagg tcaanaagcc agggaggaag ccatagncnc ctgnccctgn 60
gaaagcagag gccgccactg ntgaanggan accgtaatnc ctcaactagc tctggtgnca 120
nctccagccc accagggtccc acctgagggg cccgngtgcg caacctgtta gaaaatgcct 180
ggctcaacgg ngtggcactg cctacttggg gtcacaaggc ctccggagca gatnngacct 240
tcgcctcacc cccagctctt gggcangnca gacccatnat cttgtancat tgttaccagg 300
gctattttgt gacaggtccac catncgggn gactgntgna gnaccttgnc cttgacatnc 360
atnctgcccga gggctaagggn gttgnatnat nagnntgga gcnccancct taaccnnggc 420
aanagaactt tgcctgaacc ttttnaaact tngaaggatc acctttct 468

<210> 196
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 196
gctgcttcct acctttgact ggagacgtgg nctacctcat cgtagacacc ccgcctggca 60

```

cgtctgacga acacctctca gtgggtccagt acctggctgc ggcacacatt gatggggcag 120
tgatcctcac caccctcag gaggtggccc tccaggatgt ccggaaagag atcagcttct 180
gccacaaggt gaagctgccc atcattgggtg tggtagagaa catgagcggg ttcattctgcc 240
ccaagtgcaa gaaagagtct cagatcttcc ctcccacgac tgggggtgca gaggccatgt 300
gccaggatct gaggattcca cttctgggca aagngccgct ggatccacac ataggcaaga 360
gctgtgacaa aggccagcnt tttttgtcg aagcctccag atngaccagn cacagnctnn 420
ctacngaagt atanttcaga ggatnccgag acttttggtt ttctcat 467

```

<210> 197

<211> 460

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(460)

<223> n = A,T,C or G

<400> 197

```

gatctgagtt cgtgcccttc aggggtctatg tggaccgcac cggcaaccac gtactgagca 60
tggcccgccct ggcccgggat gttctggctg agattccgga ccaactgntg tntacatga 120
aggcacaggg catncgcccc cgcccnccan ctgctgcacc cgctcagtea cccccacagt 180
ncccanccca ctcacctcct ggatcccccg tgcacacgca tatctgaagc tgagaggacc 240
aagggcctgg agggtaggct gacaccctan aataatanta naaaggcttc ccnttntttt 300
gcttngaggg ccagcnnnaa atgggggtgct agggngcttac accacttgac acncaaattc 360
aggggactgt ggtatacaaa acaagnggta cacngattat ggggctgagg ggaccacccc 420
tagtccatgc cngacaactn cnagactttt ttatttttgc 460

```

<210> 198

<211> 460

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(460)

<223> n = A,T,C or G

<400> 198

```

ctgtggcaga agtaaaactt cnagtatgac cagtatacat tagaacacat gcatgctttt 60
gggatgtata attatctgca ctgtgatgcc tggatatcaag acagtgtcta ctacattgat 120
aaccttggaa gaattatgaa cttaacagtg atgctggaca ccgccttagg aaaaccccca 180
gaggtgttcc gccttcctac agatgtgaca gcatatgaca atcgtctttg ggcattctatc 240
catttcacat ccccttcctg ggttaccttg tcagatggaa ctggaagact gtatgtcatt 300
ggaacaggtg accgtggaaa cagtcctgaa aaatgggaga ntatgnttna tgaananntn 360
ggaanntctt ttnttatnnn tnncagtatc tcaactgnnga gagntgaaga acnttgaggg 420
nctatcctgc tntnttnaat tgagaaggag gaattggacc 460

```

<210> 199

<211> 459

<212> DNA

<213> Mus musculus

<400> 199

```

actgagggat ggatccggtc cgtcagatcc cagaggaagt tttgttcttg catgtaaatg 60
acggatcttc tttggaaagc cttcagattg ttgcggattc aagcttcgac agtagagaat 120

```

```

tgacttttgg gagttctgtg caagtccaag ggcagcctgg tcaaaagtca gtccaagagg 180
caaaatgtgg aactgaaggc agaaaagatt gaggttattg gagactgtga agccaaggca 240
ttccctataa agtataagga ggcacaccct ctggagtacc tgagacagta tcctcacctg 300
agggtgcagga ctaatgctct gggttctata ttgaggggtcc gcagtgaagc cacagctgct 360
attcattcct actttaagga caatggcttt gtgcacattc ataccccagt actcacatcc 420
aacgactgtg aggggggccg agagcttttt caagtggag 459

```

```

<210> 200
<211> 443
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

```

```

<400> 200
acaaatctga ccggatgggc tcagngggcg ctagncagca tgaaactcgt nacacctatc 60
caaattggaa gnacaccgtc gacacatncc ctanaaaactt attgaagggt ggtacagagg 120
ctacacctta aggaaaaagt ctaaaaaggg natactctnc tgnttacatn ttttcttttt 180
ataaganncc annagtgaga aggaaanagg gcnccatcgn naccgttcat ccctggggac 240
ctccccctta tacaggaaag tcaccacaaa cgcttcgaga gtggtctacc atctggaggc 300
aactttatgt ggtaagaaac tgggatgctc agttaagat taaaaatcca gagcgggtgt 360
tctggctcct gtacaaaaat agacttttcc ctttccctgg gaaccctang aagaggagag 420
gctctgagca agggctcttg ctt 443

```

```

<210> 201
<211> 441
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

```

```

<400> 201
actgtaatgt ctgtactttg tccagtgtcg aaattcagtt tcatattgct cactcatatg 60
aaaccagng ttttggtaaa gnatcaacaa cctccatttc aaactgggtc cacacgatat 120
ctccaagcag ctagcactaa tgatcagaat cagaatggaa atcatactct gcctcagaat 180
tcaaaagggg atgccccaaa tcaattctta cgtattccta cctcagaaga acaaaagatc 240
attaacttta ccaaagagag caaggattca agaagtaaat ccttgacttc taaaacaagt 300
aggaagatag agacacatct aatatctgtg ttaatgcaaa gaagcattct aatcgtatct 360
atcagatctc atcagttccg atttcagcc ttaataataa agaatccgtg tcaccagatt 420
taatagttgt aaaaaaaaaa a 441

```

```

<210> 202
<211> 418
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = A,T,C or G

```


<400> 205
gactgagaag gcggctgggc tttggcgcag ngganaccaa cctaagtttt ctgccttgga 60
gatgctggag aattcgctgt ncagccccac ctgggaagga tcccagttct gggtaacctc 120
gcagaagacc gaggtctctg aacgctgcgg cttgcaaggc tcctacatac tgagggtgga 180
agctganaag cctgactctc ctgacttttg gtgcgcagag tcaaatacctg gagccgctcn 240
ttttctggcc ctacactctg ttgcgtcgt atggccggga caaggtgcat ggggctgtct 300
gggaggatga cccgtcaggg agggctacca ggttagtag ctgtaggtga caattccatt 360
ctcaggtggt ctcttctgtg cagatacagt aaaaaaaaaa 400

<210> 206
<211> 399
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 206
aatccccaga ggggcatgca gntgcacact gtaggctgtg gcacctgcct ttgacttcca 60
caaagagatc gactacatgt tcctgggtggg cacagaagag ggaaaaatct acaagngctc 120
caaatacctac tccagccagt tcttggacac ctatgatgct cacaacatgg cagtagacgc 180
tgtgctatgg aaccataacc acaccanggt cttcatgtcc tgcagctctg actggacagt 240
gaagatctgg gaccacacca tcaagacccc catgttcatt tatgatctga actcagccgt 300
gggtgacgtg gcctgggcac cgtactcttc cactgtgttt gcagcagtca ccacggacgg 360
gaaggcccat gtgtttgact tagcgggtcaa caagtatga 399

<210> 207
<211> 391
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 207
ggccctgcgt tgatgtggac gccacagtca nntgcncgn anatggagct acccaggtg 60
tnggtgatgc ccanggacag ngcacctcna tccttacngt atctgcant gccaggagcn 120
tgnntgcngt cncacctgca acacnagcga tgcttgggcn actctgaggn catggnatca 180
nntggagnac gccttcncct ggtgtgaaga tgacatctgg gaaaggctca ctcagctatg 240
gcaaagtact cctcccttga ccagaaccac atcgctccat gctacccccct gctggacagt 300
gtgggcactg cacatagctg gcctagaggg cttggacaca gcccaccacc agctgactat 360
aaagatagga ctctcaaccc aaaaaaaaaa a 391

<210> 208
<211> 390
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 208
 actgagtttt tgggaataac gtttcttggga atcggactgt gggcgtggaa tgaaaaaggc 60
 gtcctactcn ancacnngt ccatcaccgn cctcgnggc ttcagacca gngtgnccctt 120
 gntccttgtg gttggnagga gtgatgtnc ttcntgnggt tgtncagggt gcatncggag 180
 caccttctgn acnanacngt ttctntntcaa gttntntngc tgtgccccn ggggatcatt 240
 ctttttctgg aactcacctg ntgggntgtg ggcntttgtg ttnaaanacn ggatnaaaga 300
 ccagctnnat ttctttatta acaacaacat caagagccta cagagatgac attgatctac 360
 agaacctcat agacttcacc caaggaatat 390

<210> 209
 <211> 386
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(386)
 <223> n = A,T,C or G

<400> 209
 ggggaatttg tgaccagnaa gtgtgagagc cgacagggcc gtcaccagtg cctctgtgaa 60
 gaaggttata tcctggagcg cgggcagcat tgcaaatcca acgacctcct tcagtgcggc 120
 ctccattatc ttctctaata gtcgggattt gctagtgtga gatcttnatg gaagaaactt 180
 ccggattcta gcagagtcta agaaccgngg aatagnnatg ggagtggatt ttcactatca 240
 naagcacaga gttttttgga cagaccccat gcaggcgaag gntttttcca ctgacattaa 300
 tggcttaaata acccnacaaa ntcttaatgn ttctattgat gctccagaga atctggctgt 360
 ggattggatc aataataaac tttatc 386

<210> 210
 <211> 380
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(380)
 <223> n = A,T,C or G

<400> 210
 actgaggctc gtcccatga ctaaactgaa tgcccaagtc aaaggctctc tcaacatcac 60
 cactcccggg atacagatat ggaggatccg aggctatgca gatggtacct gttccttcca 120
 gcacctttgg aagcttcttc gatggtgact gctatgtagt cctggctgta ngtggaacag 180
 gccaggacag gtccgtgcan aaaagcanag cctgntgggn attagggang aagctanagg 240
 ctgggggcag ngntgatgna tgggtctagct tcattagtca ctgttaagcn agagtgacca 300
 ggactacagc tgnggggctc catggggcctt agaaatgttt gnaaaagtcc tttctagctn 360
 aagagctaaa aactcattca 380

<210> 211
 <211> 366
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(366)
 <223> n = A,T,C or G

<400> 211
aactgaggaa agaatcccaa ctccattgnc acatggcctg gccgacggag cggctgtatg 60
atcgtcataa cttccatcct ctctgccctg gccggcctct tgcctctggc tttcctggca 120
gcttccacta cgcgtttctc cagcctgtgg tggcccggag aagctcctga gcagctgcgg 180
attggctcct tcatgggaaa acgttacatg actcaccata tcccncccag cgaagctgcc 240
aactgncgg tgggctgnga ncctggncct gaccccttc ccagtctcag cccgtagcct 300
ggctctntgta ncttggncct ggggtgaggg gcagagagca gatgtgcagg tcctgtgggg 360
tggggg 366

<210> 212
<211> 351
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

<400> 212
cagaccctgg acagacacct gcggtaactc acagaaagat ngcnaccac ccctacntgc 60
cccagnatnt tgccagngag acttcatttn cttngncant ggancacca angccagaag 120
aaagggctcc gaaatatnaa aattatTTTT cagcctncga aacaccctnt ttaaaaagan 180
aattgagttg gtaccnagga cgaaggccaa gaaccgcttt caccataac caggnccaag 240
tattggaaaa tgnnttagg gggaaacngct acccttgctg tgacctnaga gnggagctan 300
ctcaaaagct nanttagagg aagacagaat ncanatttgg gtccacaatc g 351

<210> 213
<211> 344
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(344)
<223> n = A,T,C or G

<400> 213
gatgtgcagc ccccataggg caggagccga gatggcctgc tgacagtga cctgcggggag 60
ggttcccgcc tgcacctgtg cgctgagacc cgggatgatg ccataacatg gaagactgcc 120
ctgatggagg caaattccac cccggtncgc gtctacagcc catatcagga ctactatgag 180
gtggtgccac ccaacgcaca tgaagccaca tatgtccgca gctactatgg gccaccttat 240
gcaggtcctg gtgtgacaca cgtgatagtt cgagaggacc cctgctacag ctangagcc 300
cctttggcca tgggcatgct tgctggggct gccacgggga cgtc 344

<210> 214
<211> 340
<212> DNA
<213> Mus musculus

<400> 214
tggctgtgca gctgccgcca ggtgaagatc tcaacgactg ggttgccgtg cacgtggtgg 60
atttcttcaa tcgcatcaac ctcatctacg gtaccatcag cgatggctgc accgagcagt 120
cgtgcccagt catgtccggg ggccccaaagt acgagtaccg ctggcaggac gagcaacgct 180
tccggaagcc cacggcgctg tccgcacccc gctacatgga cctgcttatg gactggatcg 240
aggtgcagat caacaacgag gacatcttcc ccactaatgt cggcacacca ttccccaaga 300

ccttcctgca ggcagtgcgc aagatcctgt caaggctgtt

340

<210> 215

<211> 332

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(332)

<223> n = A,T,C or G

<400> 215

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gactgagatt agcacagtga tccagtctcg agtgaatgac caggaaggcc gagtaagaat 60
tctatgttca ctatgtgggc tttaacaggc gactggncga atgggtggac aagaaccgac 120
tcnnactgac caanacagtg aaggatgccg ngcntgaaga acatctgaca aatacctgag 180
tgagcttggc ctgagcagcc agagcccaag atcacctcna aaccaataag cgaaagcatg 240
atgagatnaa ccatgtgcag aaggncatg gccctccct tctcaggacc atcacaacaa 300
agccatagca actcccatgt gaaaaaaaaa aa 332
```

<210> 216

<211> 328

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(328)

<223> n = A,T,C or G

<400> 216

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actgaggtgg ggtctttctg agagacatgg agctgntggg acagaacgaa gtggaccgcc 60
ggcagcgcan gttggtcatg ctgagccagg actgcgttct acaaggntct gacggccgag 120
cagaaggcca aggcgtttga agggacagta caattttaga ccacncagat gcattttgat 180
aatgatctgg tgcacaagac cctgaaaaac attgntgaag gcaaaactgt cgaggccct 240
gcctatgatt ttgtgaccca cncaaggtta ccanaganca cntgtggnnn acccagctgn 300
tgtngnttct gttcgagggc atcttgga 328
```

<210> 217

<211> 323

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(323)

<223> n = A,T,C or G

<400> 217

```
gactgagata ttactctgga gagaaaaggc cccggttctc accatcttca ttggaggaaa 60
ccatgaagcc tcaaaccatt tgcaagagtt accctatggt ggctgggtag cgccgaatat 120
ttattattta ggcttgngtg natggtgcan nataccnngg agtaaggana ggtggcncca 180
tctggcctat ttaaactnca ngattataga aaaggtcatt ntnanngccc cccttataat 240
ncatctacca taaggannat atgtcatgtg agaantatnn agnnntacat tttaaaacag 300
ttaaagcaaa ctaaaaaaga aga 323
```

<210> 218
 <211> 323
 <212> DNA
 <213> Mus musculus

<400> 218
 tgagatctta gcaaagctat gtctcaagat ggtgcttctc agttccaaga ggtcattctc 60
 caagaactag aattatctgt gaagaaagaa ttagaaacat atcttctgtg ttgaacaagt 120
 tgggtggtagt gaaactcaat ggtgggtttgg gaaccagcat gggcctgcaa agggccctaaa 180
 agtatatgcc tggaactgga ccacctcact gtttcaggag atgtgacatt tggaaaaaat 240
 gtttcactaa agggaacagt tattattatt gcaaatcatg gtgacagaat tgacatcccc 300
 ccaggaagat tataaaaaaa aaa 323

<210> 219
 <211> 319
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(319)
 <223> n = A,T,C or G

<400> 219
 ggacagctag tgaccgtaaa cccctntggg cancgcnngg gataagcttc cgagggggact 60
 gtggaaggag ccgcggtctg cacagnnac ctcttgccct gcaccccagc gaggactttt 120
 tggtaagatg taccgggatt cttcattttc ttaaagccct gangtgnaga gaactaaagg 180
 acggttcttg atggnacnct canaaacnnn nttacacccc anncccactg ntccctngca 240
 ctccgtcaag gctcgcttct gttccaactc atctgcgaat tncacaaaac catagcccct 300
 ggagggaaaa aaaaaccaa 319

<210> 220
 <211> 317
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(317)
 <223> n = A,T,C or G

<400> 220
 gaactgaggt ggggtcttta gcctcctccc aggggcccga cacacgttcc acttggtgca 60
 ccaccactga tgcctcctga ggggtgctcca cgtgcacgct caccatcgat gctactcctg 120
 agcagaggca agatggacaa tgggatatat ctacacgagc tctgacttgc taggagtaga 180
 ttggagaggg cncaccttnn nangggctca cnganagaac catagatagg aaaaaaggac 240
 ntggagnnta nggnaggaan ncncnantga tagggncatt gnttaatntn tnangettatt 300
 nactgcctg cccttgg 317

<210> 221
 <211> 315
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

<222> (1)...(315)
<223> n = A,T,C or G

<400> 221
ccagcctgag ccccgncctgt gggcacagag nttgctncac ctgcagnctg tncctgcngg 60
acctcaccgt cgccnctgtcc gaggcattg acccctcagn ggtctttccc taccgcgtca 120
acgacagcag ctgcgccaaa tctgtacct cgtccgattc cacggccttc tctccttcct 180
cggactcgct gctgtcctcc gagtccctccc cacgggccag ccctgagccc ctagtgtctgc 240
atgaggagac accgcccacc accagcagcg actctgaaga agagcaagan gatgaggaag 300
aaattgatgt ggtgt 315

<210> 222
<211> 309
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(309)
<223> n = A,T,C or G

<400> 222
gagcttcaac atccaggcca ggtctctgcc tcagaaagtc agtgcgaccg ccattgtccc 60
ctgcctctca cctcctgggt cactggtatt tgaggatttt gctaacctga caccctttgt 120
caaggaagag ctgagattcg ccatccagaa taaacacctc tgccatcgga tgcctctctgc 180
gctggagtca gttaccgtca acaacagacc cctggagatg tcagtcacca agtctgaggc 240
ggcccctgaa gaanatgaga gganaaggag gctggcgaga nagaaataaa attgctgtctg 300
ccaagtgtc 309

<210> 223
<211> 307
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G

<400> 223
gggaactgcc taggacttgc ctacttttca ctgcaggaag tcttctgatc tacagttgcc 60
agnagacgga agcacacacc tttaggnaga tcgtttacat taagctggna gagcccttgn 120
ctgcttgctc taaaatgctg aggnactggg gagagatacc aataccgtaa ggacagacca 180
acagaagtgc ctttgatctg ctcccacggg agttccgtnt ggtggaagnn catgacccgc 240
ccctgcacca gccctcagcc aacaagccga agccccccac gatgctggac attccctcag 300
aacgtg 307

<210> 224
<211> 303
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(303)
<223> n = A,T,C or G

<400> 224
 ttatctgcgc atcatggatc cttacaaggc aagttacggg gtggaagacc cagagtatgc 60
 tgncaaccag ttagctcaga ccactatgag atcagagctt ggcaaactct ctctggacaa 120
 agtttttcgg gagcgngagt ccctgaatgc caacattggg ggatgccatc aaccaggctg 180
 cagactgctg gggatatccga tgcttgccga tacgagatca aggacatcca tnggccacct 240
 caagtgaag agtctatgca gatgcagggt aaaggcaaag cgcccggaag cggggccaca 300
 gtt 303

<210> 225
 <211> 280
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(280)
 <223> n = A,T,C or G

<400> 225
 tgagtaacta gttgtaccca ccatantaca cangacaca cagccggncc ctgnagcccg 60
 gaacaggcnc acacggtaca cacnggtagg caggccaggc acangcatcc agcangaccc 120
 gccagcacc gccacgcaga cactggacga gccggcgagg tcaagatgtt caccgcacgc 180
 ggnccagatg tatgtgccac cgaccctcgc nccgntggat ggacggacgg ncnatncna 240
 tcagcgtnc cgggtcactg tccccacca cagtgcggtt 280

<210> 226
 <211> 278
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(278)
 <223> n = A,T,C or G

<400> 226
 gaactgagct cttcccactg cagaccgncg gcccccttac catgcacctt ccctcagagt 60
 gatcccaggc tccaggggga gctaagaccc tctttctccc cttacatc cccagactct 120
 tccactccat ataatacttc cttgtctgga gcccccatgc cagtaacca cttttaactg 180
 gcagggacng cccagggcca accccacaga cccctacaga tctccaagga accagaatgc 240
 aactaaaca caattttgta caattaaaac catgtttc 278

<210> 227
 <211> 272
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(272)
 <223> n = A,T,C or G

<400> 227
 agtctgacct tgtaccgttt gatcggtatt gccaccctg gtagaagcag cacagttgcc 60
 gagcttgctg gagacagaca gggatggatg gtgcggtcac cgggtgtcagc atcaaggcgg 120
 aggtcctgcc agcgtcactn cagccacca ctgncanagc tgcccccagg ctgagcagta 180

tgtgctggga caacacgtgt cattttaagt gcttagggga aacgtgggtt gccctttgtc 240
 ttgctccatt attgcagaac acttttgtgt gt 272

<210> 228
 <211> 271
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(271)
 <223> n = A,T,C or G

<400> 228
 atgagttccg cagggcatgga actgactagc tcccaggaca ggaaggcttg gcaagttatn 60
 agttttttgc ctaagactgc caagtgattg ncaggataac attggaaaaa agaatttgac 120
 cctggnatca tcttcccgcg ggtcagattg gttaatttnc aatcaaagca tcccagaagn 180
 acccatgaag caaagaaggc cctgtcaggg cagctnctgc tgtggggcga tcctatgtgt 240
 gtggaaatct actcaagact ttgagggag a 271

<210> 229
 <211> 270
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(270)
 <223> n = A,T,C or G

<400> 229
 gtgtattacg cacatcggct ggcannnnng agaacagana gggactgncc atgcnccttg 60
 nggtcgtggn ancaatancg agggcgattt ggnaaagntt tcntggaacg cagnngtgac 120
 ccggnctgac agngggcact tgtatgccat gaaagnntta aaganggcc aagctgaaagt 180
 gcgtgaccgn gttcggacca agatggagag gaagcagnan agcanttttg gggaaacctg 240
 ctgtctgcca ctanacagag atcacaggag 270

<210> 230
 <211> 263
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(263)
 <223> n = A,T,C or G

<400> 230
 ctgagcaaca tagggcggcc gcatgaagcg cttgggagac tttctgaact tggaaaactt 60
 tgatctggct ctcttgatg agngtgagg tgagcaggac tnncagaacn tanggcnnag 120
 gcgtatcttg ttcacctatc nagatgcaca cgtaagttca naagcngnga tnanaggcaa 180
 agtnctcatg ggcnntctcc nnnccccan tcctgganag gattccanct tgtctacagg 240
 cgtgnatggt gaccaaatac atg 263

<210> 231
 <211> 262

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 231
gaactgagat ctccgtctcc cggaaccagg gctgctcatc tcgtgaggag aaaatcttga 60
ccgccacgct ttcgccatgc cacgaaccgc gccacacctc gccatatcag gccctttcct 120
aatccatggc caagggaaga ataaggatca catactagac acacatagcc ctagaagacc 180
ccaccccaat tctggatgct ataaagatcc cctctgtaaa aatcggattt tttttaanct 240
tttttttttt ttttttttaa aa 262

<210> 232
<211> 247
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(247)
<223> n = A,T,C or G

<400> 232
tgaagttaac gttacgcgct ctgccttaca aactgnaacc agctcaatac gccgctttca 60
gttcctgcag aaagcccgga ccttggttga cctgtgtgct gcgcctggcg gatggntacn 120
tntggcnggc actgttatga nnacannnac ctntatntga tgagcttacc agttgttnat 180
tcaaggatga tgngaattnn attacacaat tcatattaaa tattccataa actgtgtctc 240
tctcaac 247

<210> 233
<211> 246
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(246)
<223> n = A,T,C or G

<400> 233
ctcactcttc taaaaaanen ccccnanctt naagaagcct tgnggacacn tcctacaaaa 60
cattgagatt tgcttttnagg gcctccctga aaaccgctat ctaccgtata accaccacgt 120
ttggtgaaca tctgaacgct gngcaggcat ctgcngaaca tcanaaaaga cttcancaat 180
tcttgtnagn ncaaagaata ntgangnaat ataaactgtg ttcattacc tgctgataca 240
actaca 246

<210> 234
<211> 238
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (1)...(238)
<223> n = A,T,C or G

<400> 234
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atgaccaggc atgaaagaag cttgggtcgg gctggatgat actatgaagt gttggaacta 120
gacgatgttc caaaggagaa cacctcaggt tccagtncat tggatcaagt ccatcctgct 180
ttaccaaagt aacctacagt tgaaaaaagt gaaacagaaa tttctactaa aaaaaaaa 238

<210> 235
<211> 235
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 235
gagtgccttt tagcgtctgg gnnacaggng ctgcgtggct annacacagc ctgtcgctta 60
cttcggggca cgtctcgnag acggtgcang ntccennaag ncaaggtagt ccgtccgaag 120
naccctttta gggactttta caaaagggtta taaagnctg atgtagggaa nttggccctg 180
cactgacgac atccgaaggg gaagtgcact gtgctcctgc aggtctatga cgctt 235

<210> 236
<211> 233
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(233)
<223> n = A,T,C or G

<400> 236
gaacaaaact ggagccttcc taggnctggg agagctaaaa cgcttagatc tctccaacaa 60
tcggattggc tgtctcacct ctgagacatt tcaagggtc cctagacttc tcagactaaa 120
catatctgga aacatctact ctagtctgca acctggggtc tttgatgagc tgccagccct 180
tagctatagt gccacactga atgtcaataa acagcagctg aagcaaaaaa aaa 233

<210> 237
<211> 232
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

<400> 237
actgaggagg tatttgatca tgggtcacct gngaaagcna nggcanatcc actaaccnga 60
nnctacntat gaggaanaac tgnaanctgn nctggctnct tgattngagt atttattaan 120
gcagacagag cctgttcgca catttcattc agcctgctgc tcagaagact ccaacctcac 180
ccttgaagat gaaaccaggg ccgccacgg gtaaaaaagg ataaaaaaaa aa 232

<210> 238
<211> 215
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(215)
<223> n = A,T,C or G

<400> 238
tgctggagta cgccgtttcc accagtgcta agttngcagc agangattta aagttcctgc 60
agctacaagt gcgattatta ctaatgatgg gaatangaat aaatcctgca cangactgnt 120
gggaatgttt tcctggaagc gnggntnaat anctganaat tattnntagn agaaccnng 180
gtgtgaagct ggtnatatnt gcgtgggtgg gaaca 215

<210> 239
<211> 203
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(203)
<223> n = A,T,C or G

<400> 239
tgccggcccca gcaggagccc ggctcatct ctggagtcca tgcgggaatt gcatgctgaa 60
ctccaagggg acnactggag ggtcancctg gaggatcaca gcagccaagg gactttggnc 120
aaanaatgnc cgacttnnaa naggccacag actggagttg agtgangggg gacctttntg 180
acctttggcc cccaaaggtc aag 203

<210> 240
<211> 178
<212> DNA
<213> Mus musculus

<400> 240
tgagatctgt ttccctcat ctttccctca gagccagccc aggccttctgg gccttatgtg 60
gagatcatcg aacagccgaa gcaacggggc atgcgattcc gctataaatg cgagggggcg 120
tcagcgggca gtattcctgg cgagagaagc acagatacca ccaagacaca aaaaaaaa 178

<210> 241
<211> 176
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(176)
<223> n = A,T,C or G

<400> 241
ctgccacccc tccagactgg ggcceatngn tccaaggctg tgaccgcgca ctggcgagnn 60
atgcacttgc agcggcgagaa gctgagaggg gtataacgtg annatatctc ctgcgcaaca 120
ctctgccatc anccacgaga tgccctgentc ctntctencaa gcccccaag gaggag 176

<210> 242
<211> 169
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(169)
<223> n = A,T,C or G

<400> 242
gttgcgccctc tccgctgcag tcaaaactcc tcattggcta aaatgcccc aacaggngcc 60
tgcattgtcca atggcttcca tggcactatc cacttggtat aancgacct caaaacagt 120
agtcaccacg gttcctntcg ctcttgacc actcatctga gaaaaatca 169

<210> 243
<211> 133
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 243
acgtctactc taaggaccan ntgcagacnt tctctgngga gcacccctgnt cttctaacgg 60
aggccccact gancccccagt aagaaccggg agaaggnggn agagggtcttc ttgaaacct 120
tcaatgctcc tgc 133

<210> 244
<211> 130
<212> DNA
<213> Mus musculus

<400> 244
gctagaagaa agccaaggta attgcagtaa tgaatgctgt ggaagagAAC caggcctctg 60
gagagtctca gaagggtggag gaggccagcc ctctgctgt gcagcatccc acgggtgcct 120
gatgatgcaa 130

<210> 245
<211> 130
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(130)
<223> n = A,T,C or G

<400> 245
gcgcaagtcc tgtcaggcct gccgactcat gaaangcctn aaagtgggga tgctgaagga 60
aggngagcgc cttgaccggn ttcgaggagg ccgcctgnaa gtacangcga cngctggatt 120
cggataaca 130

<210> 246

<211> 123
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(123)
<223> n = A,T,C or G

<400> 246
agctcactac cctgctggaa gcagngggaa aaggaccatg gnagtggna gcatatggc 60
accaaactct taccanaatg tctgaattat nttgaaaaag aaaccgaaga atatcttaaa 120
gga 123

<210> 247
<211> 113
<212> DNA
<213> Mus musculus

<400> 247
gaggactgga cggcagccct gctgaacagg ggccgcagtc ggcagcccct ggtgctaggg 60
gataactgtt ttgctgattt agttcacaat tggatggagt tgcctgaagc aga 113

<210> 248
<211> 109
<212> DNA
<213> Mus musculus

<400> 248
actgagggga tgatgagcaa tctatacaaa tggctgcaag ttgggaagat gaaaaagtga 60
cacaagcatc atcaaacac tttgttgcta ttaaaattga tactaaaag 109